Ὀλυμπια Δωματα.

OR, AN

Almanack and Prognostication

for the year of our Lord, 1660.

being the Bissextile, or Leap-year, and from the Creation of the World, 5609.

Wherein is conteined the State of the whole Yeare, the Eclipses, Lunations, Conjunctions, & Aspects of the Planets, the length and increase and decrease of Dayes and Nights, with the Rising, Southing, and Setting of the Sun, Moon, and seven Stars, every day in the yeare, whereby may be known the true Hour of the night at all times when the Moon or Stars are seen.

To which is annexed a short Mathematical Discourse of the Systeme of the World, proving that the Sun moves not, but the Earth; wherein the Arguments of the Anti-Copernican are refuted, and the truth (though succinctly, yet) clearly proved by *Geometrical Demonstration*.

Calculated according to art and referred to the Meridian of the ancient Burroug-Town of *Stamford*, whose Longitude is 23 d. 50 m. Latitude 52 deg. 40 min. fitting all the middle Counties of *England* (as *Rutland*, *Leicester*, *Northampton*, *Lincoln*, *Huntington*, *Cambridge*, *Bedford*, *Warwick*, *Nottingham*, *Darby*, *York*, *Stafford*, &c. and without sensible errour the whole Nation.

By VINCENT WING Mathemat.

Psal. 111. 2. *Magna opera Jehovæ, exposita omnibus qui delectantur illis.*

London, Printed by R. & W. Leybourn; for the Company of Stationers 1660

Common Notes observable for this present year 1660. according to

The Julian, English, or Old account.		The Gregorian, Foreign, or New account
8	The Golden Number	8
17	The Cycle of the Sun	17
28	The Epact	18
3 G	The Dominical Letters	D C
13	The Roman Indiction	13
32	The Number of Direction	35

A Table shewing when the Term stegins and ends, with the number of their Returns, and day of the Moneth whereon they will be this present year, 1660.

Hilary **Term begins January 23. & ends February 12. and hath 4 returns**, viz.

Octab. Hillarii	Jan. 30
Quind. Hillar.	Jan. 27
Craft. purif.	Febr. 3
Octab. purif.	Febr. 9

Easter **Term begins the 9 day of May, and ends the 4 of June, and hath 5 returns**, viz.

Quind. pasch.	May 7
Tres pasch.	May 14
Mens. pasch.	May 21
Quinq. pasch.	May 28
Craft. Ascens.	June 1

Trinity **Term begins the 22 of June, & ends the 11 of July, & hath 4 returns**, viz.

Craft. Trinit.	June 18
Octab. Trin.	June 25
Quind. Trin.	July 2
Tres Trin.	July 9

Michaelmas **Term begins the 23 of October, and ends the 28 of November, and hath 6 returns**, viz.

Tres Mich.	October 19
Mense Mich.	October 27
Craft. Anim.	Novemb. 3
Craft. Mart.	Novemb. 12
Octab. Mart.	Novemb. 19
Quind. Mart.	Novemb. 26

The Golden Planet Venus is a bright evening Star from the beginning of the year until the 3 day of *September*, at which time she is with the Sun, and from thence she is a glorious morning star, until Mid-summer day, 1661.

Veneris ingens Sidus, cùm antegreditur Solem, φωσφόρος Græcè, Lucifer *Latine dicitur: cùm verò subsequitur & ab occasu refulget, vesper, vesperugo, & ἕσπερος appellatur.*

Table shewing the Bearing, Distance, Longest day, and difference of Meridians of most of the principal Cities in the world, from the famous City of LONDON.

Names of the Places.	The way or point of bearing	Their distance in miles.	Longest Day. Ho. min.	Difference of Meridians. Ho. min.
Alexandria in Egypt	S. E. by E.	2169	14 00	2 32 E
Amsterdam in Holland	E. by N.	0266	16 40	0 18 E
Athens in Greece	S. E. by E.	1624	14 40	2 56 E
Antwerp in Brabant	East *fere*	0248	16 28	0 24 E
Antioch	Ea. So. Ea.	2319	14 16	3 16 E
Barwick	North *fere*	0267	17 24	0 02 E
Babylon	Ea. So. Ea.	2722	14 35	3 56 E
Burdeaux in France	South *fere*	0360	15 25	0 08 W
Bethsaida	S. E. by E.	2303	14 08	2 29 E
Bermoodas	W. S. W.	3400	14 11	4 56 W
Calicute in East India	So. E. by E	5214	12 20	8 08 E
Calice in France	Ea. by So.	0286	16 25	0 00 E
Constantinople	Ea. So. Ea.	1847	15 15	2 24 E
Charen in Mesopotamia	Ea. So. Ea.	2486	14 30	3 36 E
Dublin in Ireland	Nw. by W.	0286	17 15	0 25 W
Dantzick	Ea. N. Ea.	0596	17 05	0 44 E
Damascus	Ea. So. Ea.	2404	14 15	3 16 E
Edinburg in Scotland	North	0328	17 40	0 00 E
Ephesus	E. Sou. Ea.	1808	14 40	2 30 E
Florence	South-east	0801	15 10	0 57 E
Francford	East *fere*	0448	16 15	0 47 E
Hamburg	Ea. N. Ea.	0538	18 02	0 56 E
Hierusalem	S. E. by E.	2352	14 08	3 03 E
Iseland	N. N. W.	0930	21 44	0 52 W
Joppa	S. E. by E.	2338	14 06	3 02 E
Lake of Sodom	S. E. by E.	2408	14 04	3 08 E
Lisborn in Portugal	So. So. W.	0985	14 45	1 09 E
Middleburg in Zeland	East	0205	16 30	0 20 E
Mentz in Germany	East	0420	16 25	0 45 E
Millain	So. E. *fere*	0645	15 22	0 46 E
Mamamora in Barbary	So. So. W.	1448	14 00	0 28 W
Mexico	W. by So.	6844	13 20	9 59 W
Naples	S. E. by E.	1051	14 50	1 16 E
Niniveh	Ea. So. Ea.	2631	14 30	3 52 E

Paris in France	So. so. Ea.	0215	15	57	0	10
Philippos in Macedonia	Ea. so. Ea.	1395	15	10	2	10
Prague in Bohemia	East *ferè*	0700	16	15	1	12
Quinzoy, the greatest city	East by so.	7272	13	35	11	28
Rome (in the world	S.E. by E.	0887	15	04	1	07
Spiers	Ea. by sou.	0430	16	02	0	46
Strawsborow	Ea. by sou.	0432	16	00	2	47
Toledo in Spain	So. by west	0934	14	36	0	36
Troy	Ea. so. Ea.	1605	15	00	2	24
Tumbes	S w. by w.	6049	12	15	6	56
Venice	Ea. so. Ea.	0744	15	28	1	03
Sivill	So. by W.	0950	14	40	0	52
York	North *ferè*	0150	17	00	0	00
Cæsaria in Cappadocia	*E. so. E.*	1064	14	50	3	06
Cleve	East	0303	16	36	0	32
LONDON.		0000	16	26	0	00

To find the time of the Suns rising & settin and length of the Day and Night.

IN the 3 column of the Almanack (amongst the Festi days) is set down the true time of the Sun-rising & sett every 3d. or 4d. day in the year, but if you would ha it for the intermediate dayes, you must make proporti And in the Blank-page I have set down the length of t day, and the increase and decrease thereof, which you m find against the day of the Moneth.

To find the time of the Moons coming to the South.

CAst your eye upon the following Table of her Southing, finding the moneth o head', & the day in the first column on the left hand, and in the angle of mee is the hour and minute of her Southing desired:

As upon the 9 of January, I find she is due South at 6 a clock & 4 min. therefore see her that evening in the South', you may conclude that to be the hour of the n but if you see her in the 11 a clock stead, it is but 5 a clock and 4 m. if she be in a clock stead, it is but 4 a clock and 4 m. So again, if she be past the South in th clock stead it is 7 a clock and 4 m. if in the 2 a clock stead 'tis 8 a clock & 4 m. reason hereof is, because that so much as she wants, or is past the South, so much it wa or is past the hour given in the Table, as your own reason may inform you.

To find the true time of the Moons rising & settin

In the last Column of the left hand page of the Almanack, is inserted the Ri Rising & setting of the Moon every day in the year, that is to say, her rising from Full moon the New, and her setting from the New moon to the Full: Therefore

upon the day of the moneth, and against the same, you have your desire. As the 20 of January, you may see the riseth at 8 a clock & 19 min. at night, the 21 at 9 a clock & 25 m. and the 22 day at 10 & 33 m. So again, the first of February at 5 and 13 m. at night, the 2 day at 7 and 35 min. and the 3 at 8 and 52 min. Thus may you find the just time when the riseth and setteth, which is of most ease to find the just hour of the night, and a thing not shewed by any other. But as the Moon is not alwayes seen, I will here give you the time of the seven Stars coming to the South every 5th. day in the year, which I shall exhibite in the following Table.

Table shewing the hour and minute of the seven Stars coming to the South every fifth day of this year 1660.

Moneths	Dayes of the Moneth. 1		6		11		16		21		26		30	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7 A	55	7	33	7	12	6	51	6	30	6	10	5	53
February	5 A	4 7	5	27	5	8	4	48	4	29	4	9		
March	3 A	57	3	38	3	20	3	2	2	45	2	29	2	12
April	2 A	5	1	46	1	28	1	9	0	50	0	32	0	15
May	0 A	12	11 B	52	11	32	11	12	10	52	10	32	10	14
June	10 B	6	9	45	9	24	9	3	8	42	8	22	8	5
July	8 B	2	7	41	7	21	7	1	5	41	6	22	6	7
August	6 B	0	5	41	5	23	5	4	4	47	4	28	4	14
September	4 B	6	3	48	3	30	3	12	2	54	2	36	2	20
October	2 B	18	1	59	1	40	1	21	1	1	0	42	0	26
November	0 B	18	1	157	11	36	11	15	10	54	10	32	10	14
December	10 A	10	9	47	9	25	9	3	8	41	8	19	8	2

The use of this Table.

Find the Moneth on the left hand, & the day on the head, and in the angle of meeting is the time of their Southing: and note this, that A stands for afternoon, and B for noon, therefore observe what letter you find the first day of the moneth, that in place every other day, unless you find it changed. As the 1 of May they come South at 12 min. past, or afternoon, but the 6th. day at 11 a clock and 52 min. before noon, and so to the moneths end, the coming to the South will be before noon, according to the letter B preceding.

Now when you have found the time of their comming to the south, if you then subtract from the same, their semi-diurnal Arch 8 hours 16 min. you have the time of their Rising, but if you adde it thereto, it gives you the time of their setting. The thing is so plain that Examples are needless.

There is now lately published by my loving friend Mr. William Leybourn, a second Edition of his Arithmetick, unto which is added a fourth part of Algebraical Arithmetick, and divers other Additions not formerly printed: Sold by George Sawbridge, at the Bible on Lud-gate-hill.

There is now in the Presse, and ready to come forth, EUCLID'S Elements of Geometry, all the 15 Books in a most compendious form contracted and demonstrated, together with some other pieces never before printed in English, as also the Preface of Mr. John Dee, all published by the care and industry of Mr. John Leek, Reader of the Mathematicks in London.

A Table shewing the hour and minute of t

Moons coming to the South the first six moneths of the year 1660.

DAYS	January hou. min	Februar. hou. min.	March hou. min.	April hou. min.	May hou. min.	Ju hou. m
1	10 M 5	A 31	A 6	1 A 26	1 A 51	3 A
2	11 59	1 25	0 57	2 14	2 43	3
3	1 A	2 15	1 46	3 5	3 34	4
4	1 58	3 5	2 34	3 56	4 22	5
5	2 5	3 52	3 26	4 46	5 9	5
6	3 4	4 4	4 15	5 37	5 54	6
7	4 31	5 28	5 6	6 2	6 38	7
8	5 18	6 17	5 55	7 1	7 21	8
9	6 4	7 7	6 46	7 58	8 2	8
10	6 51	7 57	7 34	8 42	8 47	9
11	7 37	8 46	8 22	9 2	9 33	10
12	8 24	9 30	9 9	10 9	10 21	11
13	9 13	10 22	9 54	10 5	11 15	12
14	10 3	11 8	10 39	11 41	12 12	Mor.
15	10 52	11 53	11 22	12 32	Mor. 12	1
16	11 40	12 35	12 6	Mor. 32	1 13	2
17	12 26	Mor. 35	Mor. 6	1 2	2 15	3
18	Mor. 26	1 17	0 53	2 25	3 16	4
19	1 9	2 3	1 41	3 29	4 15	5
20	1 51	2 48	2 35	4 29	5 12	6
21	2 34	3 37	3 32	5 27	6 3	7
22	3 17	4 30	4 3	6 2	6 51	7
23	4 1	5 25	5 27	7 1	7 38	8
24	4 49	6 24	6 22	8 4	8 24	9
25	5 39	7 24	7 23	8 54	9 11	10
26	6 34	8 24	8 19	9 42	10 0	11
27	7 30	9 23	9 13	10 30	10 50	0 A
28	8 30	10 20	10 4	11 19	11 41	0
29	9 31	11 14	10 54	0 A 8	0 A 33	1
30	10 34		11 45	1 0	1 24	2
31	11 35		0 A 33		2 12	

A Table shewing the hour and minute of the Moons coming to the South the last six moneths of this year, 1660.

Day	July ho.	min.	August. ho.	min	Septemb. hou.	min.	Octob. hou.	min	Nove. ho.	min	Decem ho.	min
1	3	A 5	3	A 51	5	A 12	6	A 8	7	A 47	8	A 1
2	3	45	4	36	6	8	7	6	8	37	8	48
3	4	28	5	25	7	6	8	4	9	26	9	39
4	5	10	6	18	8	6	8	59	10	15	10	30
5	5	54	7	14	9	6	9	53	11	6	11	21
6	6	41	8	13	10	5	10	44	11	56	12	17
7	7	30	9	14	11	2	11	34	12	51	Mor.	17
8	8	25	10	17	11	56	12	26	Mor.	51	1	10
9	9	26	11	17	12	50	Mor.	26	1	46	1	58
10	10	28	12	15	Mor.	50	1	19	2	39	2	44
11	11	32	Mor.	15	1	41	2	14	3	30	3	29
12	12	35	1	8	2	32	3	7	4	17	4	11
13	Mor.	35	2	0	3	25	4	0	5	3	4	52
14	1	33	2	52	4	19	4	51	5	47	5	34
15	2	27	3	44	5	12	5	41	6	28	6	14
16	3	19	4	34	6	2	6	28	7	11	6	57
17	4	8	5	26	6	53	7	13	7	52	7	43
18	4	57	6	19	7	41	7	56	8	35	8	30
19	5	46	7	8	8	28	8	38	9	20	9	24
20	6	36	7	59	9	12	9	20	10	6	10	20
21	7	25	8	48	9	55	10	3	10	58	11	20
22	8	16	9	37	10	39	10	48	11	52	0	A 22
23	9	7	10	22	11	21	11	33	0	A 50	1	22
24	9	57	11	7	0	A 4	0	A 22	1	50	2	20
25	10	46	11	50	0	48	1	14	2	52	3	15
26	11	33	0	A 32	1	35	2	11	3	47	4	7
27	0	A 18	1	15	2	25	3	8	4	43	4	56
28	1	2	1	58	3	17	4	7	5	35	5	45
29	1	44	2	43	4	12	5	5	6	25	6	33
30	2	27	3	29	5	10	6	1	7	13	7	21
31	3		4				6	54			8	17

January hath xxxi dayes.

New moon the 2 day, 15 min. past 12 at noon
First quarter the 9 day, 15 min. past 7 in the morning
Full moon the 17 day, 24 min. past 10 in the morning
Last quarter the 25 day 3 42 min. past 6 in the morning
New moon the 31 day, 31 min. past 10 at night.

		Holy & festival days, with Sunsets	Moons sign	The Planets Aspects & change of air, &c.	Moons Rising & Setting	
1	♄	New yea. d.	capr 6	△♂♀4 a. cold rain,	☽M 38 Ris	
2	♄	sun rise 8 5	capr 22	☌ Ino: ☍♄☉.☾ Peri	New ☽	
3	☾	Enoch	aqua 7	Wind and clouds.	6 A 2	
4	☿	Methusala	aqua 22	Indifferent.	7 26	
5	♃	sun set 3 59	pisce 7	Wind and Snow.	8 49	
6	☾	Twelf day	pisce 21	✱☉☽ 8 p. indifferent	10 6	
7	♀	Julianus	aries 5	Winterly ✱♀☽ 9 p.	11 20	
8	♄	1 sun. af. Epi	aries 18	□♄♀ 6 p. ☌♀♅ 4 a.	12 31	
9	♄	sun rise 7 56	taur 1	Weather. Vc ♅♀.	mo. 31	
10	☾	Paul Erem.	taur 14	But little alteration.	1 37	
11	☿	Hyginus	taur 26	Td ♂♀. Scarce fair.	2 41	
12	♃	Sun set 4 9	gemi 8	Clearing up, & free-	3 39	
13	☾	Hillary	gemi 20	zing, & presently the	4 33	
14	♀	Felix	canc 2	☌☉♅ 4. p. Wind is	5 21	
15	♄	2 sun. af. Ep	canc 14	high, and very cold.	6 3	
16	♄	Marcel	canc 26	Variable. Bq ♅☉,	6 39	
17	☾	sun rise 7 44	leo 8	□♄☽ 7 p. Coole &	Ful ☽	
18	☿	Prisca	leo 20	cloudy ☌♀☽ 7 p.	6 A 8	
19	♃	Pontian.	virg 2	Frost □♂☽ 5 p.	7 13	
20	☾	Fab. Seb.	virg 14	✱♄☽ 7 a. Overcast.	8 19	
21	♀	Sun set 4 22	virg 27	□♄☉ 11 p Store of	9 25	
22	♄	3 sun. af. Epi	libra 9	snow. ✱♄♅ 6 p.	10 33	
23	♄	Term begins	libra 22	Td ♄♀. Something	11 42	
24	☾	Timothy	scor 5	moist. ☉♅☾ 12 p.	12 55	
25	☿	Conv. Pauli	scor 18	Not much amiss.	mo. 55	
26	♃	Sun rise 7 29	sagit 2	♂☌☽ 8 p. Rain.	2 5	
27	☾	Chryso	sagit 16	Fair and warm.	3 12	
28	♀	Caro. Mag.	capr 0	☽ enter ✱♀☽. some	4 14	
29	♄	4 sun. af. Ep.	capr 15	□☉☿ 6 p. raine, or	5 7	
30	♄	Basil.	aqua c	[illegible]	5 52	
31	☾	Sun set 4 42	aqua 15	[illegible]	[illegible]	

Moons-setting.

Moons-rising.

3 day at 7 beforenoon, Venus
Same day at 6 night, Mercury
11 day at 10 morni. the ☽ is with the moon.
12 day at 1 morning, Mars
20 day at 8 morning Jupiter
25 day at 1 morning, Saturn.

The ☽ 1 Day, the evening-star sets at 4 a clock and 44 minutes.

☌	ho.	min.	
1	12	A 1	*Full Sea at* London-bridge
2	3	5	Capt. *Hotham* beheaded, 1644
3	4	6	Sir *John Hotham* beheaded, 1644
4	5	4	Articles exhibited against the 5 *Members*, 1641
5	5	59	The year begins peacibly, I wish it may so
6	6	49	continue, but I fear——however I say no more,
7	7	37	but wish all happiness to the *English* Nation.
8	8	24	Ordinance of the late Kings trial, 1648.
9	9	10	High Court of Justice proclaimed, 1648
10	9	57	The arch Bishop of Canterbury beheaded, 1645
11	10	43	Dayes are increased 0 ho. 56 mins
12	11	30	
13	12	19	*Caput Ophiuchi occidit vesp. itemq; caput Capric.*
14	mor.	19	☌☉☿ 2 p. according to *Argols* Eph. but the 15
15	1	9	day at 3 morn. according to *Eichstad.* ☿ Orient
16	1	58	Day 8 hours 30 min.
17	2	46	Scots invade *England*, 1644
18	3	32	*Non prodeſt substantia.*
19	4	15	Bodmin Fight, 1643
20	4	57	
21	5	40	Dayes are increased 1 ho. 24 m.
22	6	23	The Parliament dissolv'd, 1654
23	7	7	*Testis mendax non erit impunis.*
24	7	55	K. *Charls* 3 time before H. C. of Justice, 1648
25	8	45	
26	☽	40	Day 9 hours
27	10	36	King *Charls* receiv'd his sentence, 1648
28	11	36	*Gaudet patientia duris.*
29	12	37	Dayes are increas'd 1 ho. 54 min.
30	1 A	40	King *Charls* beheaded, 1648
31	2	41	*Vitam infœlicem egregio mortis nere concluſit.*

February hath xxix. dayes.

☽ First quarter the 7 day, 14 min. past midnight.
☽ Full Moon the 16 day, 11 min. past 4 in the morning.
☾ Last quarter the 23 day, 4 min. past 5 at night.

Kl.	D.	Holy & festival days, with Sunset	Moons Sign	The Planets Aspects, & change of air, &c.	Moons Rising and Setting
1	d	Sun rise 7. 16	pisc. 0	☌☿☽ 8 a. seasonable	6 A 13
2	e	Purif. Mary	pisc. 15	△♄♀ 10 a. cold rain	7 35
3	f	Blasius	aries 0	More temperate.	8 52
4	g	Sun set 4. 51	aries 14	✶♂☽ 5 a. Warm.	10 7
5	a	5 sun. af. Ep.	aries 27	Remission □☽ 2 p.	11 16
6	b	Dorothy	taur. 10	□☿♂ 3. a. of Cold.	12 24
7	c	Zachary	taur. 23	Some Clouds.	mor 24
8	d	Sun rise 7. 1	gem. 5	Frost. □☿☽ 10 p.	1 25
9	e	Apollon.	gem. 17	Bq ☿ ♀. Variable.	2 22
10	f	Scholast.	gem. 29	♄ stat in vc. ♂ cold.	3 14
11	g	Sun set 5. 5	canc 11	Unconstant.	3 58
12	a	6 sun. af. Ep	canc 22	☾ Asog Cloudy.	4 38
13	b	Fern eale	leo 5	Vc. ☿♀. Soft winds	5 7
14	c	Sun rise 6.49	leo 17	Cold. ✶♂☾ 5 a.	5 35
15	d	Faustin.	leo 29	High winds purging	6 3
16	e	Julian	virg. 11	□ ☽ ♀ ☉ 3 p. [the air.	Full ☽
17	f	Constan.	virg. 23	☌♄☽ 3 p.	7 A 15
18	g	Sun set 5. 19	libra 6	Sleet. △♂♀ 10 p.	8 26
19	a	Septuagesim	libra 19	☍♂♀. cloudy, if not	9 35
20	b	Mildred	scor. 2	△♄☉ 10 p. snow.	10 45
21	c	Esaias	scor. 15	Scarce fair.	11 55
22	d	Sun rise 6.33	scor. 28	Fair and vc. ☿♀.	13 2
23	e	Serenus	sagit 12	Temperate. ☌♂☽ 3 p.	1 mo. 2
24	f	Sun set 5. 31	sagit 26	Bq. ♄♂. Cloudy &	2 10
25	f	Matth. Ap.	capr. 10	cold. Vc. ♄♀.	3 5
26	a	Sexagesima	capr. 24	☽ Perig. Overcast.	3 51
27	a	Augustin.	aqua 9	Frosty. Bq. ☿♀.	4 30
28	b	Sun rise 6.22	aqua 24	□♂☉ 3 a. Warm.	5 3
29	c	Roman	pisc. 9	Blustring air.	5 30

Moons setting.

Moons rising.

The { 2 day at 6 morning Venus / 7 day at 4 afternoon, 7 ✱ / 8 day at midnight, Mars / 16 day at 8 morn. Jupiter / 21 day at 6 morn. Saturn / 28 day at 9 night, Mercury. } is with the moon.

Day 1 the evening ſtar ſets at 6 a clock and 23 min.

D	ho.	min	
1	3 A	37	*Full Sea at* London-bridge.
2	4	31	*Cor Leonis orit Veſp.*
3	5	21	
4	6	11	Day increaſed 1 ho. 22 m. Parliament diſſolv'd [1647.
5	6	58	
6	7	46	Houſe of Lords voted uſeleſſe, 1648.
7	8	34	The Kingly Office unneceſſary, 1648.
8	9	23	☿ *longiſſimè à* ☉ *digreſſus.*
9	10	13	Day 10 hours
10	11	3	Capt. *Burleigh* executed, 1647.
11	11	52	*Rumores exandiuntur, prorſus tamen incerti.*
12	12	36	
13	mor.	36	A new Stamp for Coyn, 1648.
14	1	28	Day increaſed 3 ho. 2 min.
15	2	1	
16	2	59	Day 10 ho. 30 min. [*Argoli calculo.*
17	3	41	☌☿☉ 1 p. *ex ephem.* Eichſtadii, *hor. verò* 3 p. *ex*
18	4	23	A great Sea-Fight between the Engliſh and
19	5	9	the Dutch, wherein the Dutch were beaten, 1652.
20	5	54	☿ Occidental.
21	6	43	Earl of *Warwick* caſhcer'd, 1648.
22	7	36	
23	8	31	Day 11 hours
24	9	30	
25	10	31	Day increaſed, 3 ho. 46 min.
26	11	31	
27	12	29	Some Act of Juſtice the *French* perform, perhaps
28	1 A	26	Paris.
29	2	20	Great feares and diſtractions amongſt us.

Moons ſetting. Moons rising.

March hath xxxj dayes.

☽ New Moon the 1 day, 50 min. past 8 in the forenoon.
☽ Firſt quarter the 8 day, 46 min. past 6 at night.
☽ Full Moon the 16 day, 14 min. past 8 at night
☽ Laſt qurter the 23 day, 19 min. past 12 at night.
● New Moon the 30 day, 52 min. past 7 at night.

D.	a. d.	Holy & feſtival days, with Sunſer	Moons Sign	The Planets Aſpects, & change of air, &c.	Moons Riſing & Setting
1	D	David	piſce ♓ 23	Td ☌ ♀. Winde &	New ☽
2	E	Chad	aries ♈ 7	Clouds, but fair.	7 A 46
3	F	Sun riſe 6 14	aries ♈ 21	✶☌☽ 11 a. turbulent.	8 59
4	G	Shrove-ſun-	taur ♉ 4	☌ ♄ ☽ 8 winds.	10 8
5	A	Sun ſet 5 50	taur ♉ 18	More mild & ſeaſon.	11 15
6	B	Shrovetueſd.	gemi ♊ 1	Some rain, after wch	12 16
7	C	Aſh wedneſd.	gemi ♊ 13	△♄♀ 5 a. follows	mo. 16
8	D	Cyprian	gemi ♊ 25	wind. ✶♀☽ ☉.	1 11
9	E	Prudent	canc ♋ 7	Freeſing. ☌ ♅ ☌.	1 57
10	F	Sun riſe 6 0	canc ♋ 19	☽ Apog. Unconſtant.	2 4
11	G	1 ſun. in lent	leo ♌ 1	Cloudy. △☉☽ 1 p.	3 15
12	A	Gregory	leo ♌ 13	Not much unlike.	3 45
13	B	Shrove-ſun.	leo ♌ 25	Warm. ✶☌☽ 2 p.	4 12
14	C	Sun ſet 6 8	virgo ♍ 7	Fair and temperate.	4 36
15	D	Longin.	virgo ♍ 19	□☌♀ 10 p. Snow	4 55
16	E	Cyriac.	libra ♎ 2	△♅♀ 5 p. More tē-	Ful. ☽
17	F	Sun riſe 5 46	libra ♎ 15	perate: ♄ 11 14 m.	7 A 29
18	G	2 ſun. in lent	libra ♎ 28	Fair. △☌☾ 0. 0.	8 39
19	A	Joſeph	ſcor ♏ 11	Cloudy and moiſt.	9 53
20	B	Gilbert	ſcor ♏ 25	Bq ☉♅. Cold rain.	11 5
21	C	Sun ſet 6 24	ſagit ♐ 9	☌♄♀ 3 a. or ſnow.	12 1
22	D	Paulinus	ſagit ♐ 23	Some wind & clouds.	mor 11
23	E	Theodore.	capr ♑ 6	✶♄☽ 7 p. High	1 7
24	F	Sun riſe 5 31	capr ♑ 20	☌☉♀ 9 a. winds.	1 55
25	G	Annun. Mar.	aqua ♒ 5	Cloudy and faire.	2 37
26	A	Sun ſet 6 33	aqua ♒ 19	□♀☽ 8 a. Cloſe air.	♊ 11
27	B	*Init. Reg. Ca.*	piſce ♓ 3	Fair and windy.	♋ 39
28	C	Martian.	piſce ♓ 18	△♄☽ 12 a. ſom clouds.	♌ 3
29	D	Sun riſe 5 21	aries ♈ 2	✶♅☌ 1 p. Warm.	4 39
30	E	Guido	aries ♈ 16	Haile. ☉ 20 23 ♈.	New ☽
31	F	Balbina	taur ♉ 0	Unconſtant.	7 A 58

Moons ſetting.

Moons riſing.

The { 3 day at 7 before noon, Venus / 6 day at 1 morning, the 7 ſtars / 8 day at 9 morning, Mars / 14 day at 8 beforenoon, Jupiter / 19 day at 10 morning, Saturn / 31 day at 11 beforenoon, Mercury } is with the moon

Day 1. the evening-ſtar ſets at 8 a clock and 5 min.

D	ho.	min.	
1	3 A	12	*Full Sea at* London-bridge.
2	4	3	*Præſſe & non prodeſſe moleſtum.*
3	4	52	☌ ☿ ☿ 6 a. *Argol.*
4	5	40	Day 11 ho. 30 min.
5	6	32	Sir *Henry Hyde* beheaded, 1650. ☌ ☿ ☿ 7 a. *Eichſt.*
6	7	21	E. of *Holland* L. *Capel*, & D. *Hamilton*, ſentenced
7	8	12	Day increaſed 4 ho. 28 min. (1648
8	9	1	
9	9	52	E. of *Holl.* L. *Capel*, & D. *Hamil.* beheaded (1648
10	10	40	Equal day and night, each containing 12 hours.
11	11	28	*Veris initium.*
12	12	15	What? Some Plots and contrivances againſt honeſt Men.
13	mor.	15	
14	1	0	*Fictâ ſpecie diſſimulatur animus.*
15	1	45	Preparations for war in the North, and Eaſtern parts.
16	2	28	
17	3	12	Day 12 ho. 30 min.
18	3	59	A Fight on Hopton-heath, 1643. and Warder
19	4	47	Caſtle taken. 1642. ☌ ☉ ☿ 10 p. *Argol.*
20	5	41	*Res erit in tempore ſuo. O quàm bona eſt.*
21	6	38	Pontfract-caſtle ſurrendred, 1648. ☌ ♄ ☿ 5 a. *Eich.*
22	7	36	Day increaſed 5 ho. 30 m.
23	8	33	
24	9	31	Day 13 hours. ☌ ☉ ☿ 5 a. *Eichſtad.*
25	10	29	*Brown Buſhel* ſentenced, 1651. *Adam* creatur.
26	11	25	
27	12	19	An act of a High C. of Juſtice, 1650
28	1 A	10	
29	2	0	Brown *Buſhel* beheaded, 1651.
30	2	51	Duke of *Lenox* died, 1655.
31	3	39	*Tempus adimit mœſtitiam.*

April hath xxx dayes.

☾ First quarter the 7 day, 43 min. past 1 in the afternoon.
☽ Full Moon the 15 day, 11 min. past 9 in the morning.
☾ Last quarter on Easter day, at 6 in the morning.
● New Moon the 29 day, 50 min. past 7 in the morning.

☉	☽	Holy & festival days, with Sunset	Moons Sign	The Planets Aspects & change of air, &c.	Moons Rising & Setting	
1	♈	4 sun. in lent	taur. 1	Some cloudes.	9 A 9	
2	♉	Sun set 6. 48	taur. 26	△♃☿ 10 p. variable	10 10	
3	♊	Pancrat.	gem. 9	High winds are por-	11 8	
4	♋	Ambrose	gem. 21	tended, this 1 week.	11 53	
5	♌	Vincent	canc 3	☌♄☿ 7 p. of April.	12 44	
6	♍	Sun rise 5. 5	canc 15	Unconstant, ☌☉♂	mor 44	Moons-setting.
7	♎	Celestin.	canc 27	△♄♂ 10 p. Haile.	1 24	
8	♏	5 sun. in lent	leo 9	□♀☾ 9 p. Fair and	1 56	
9	♐	Sun set 7. 1	leo 21	temperate. ☽ ☍☿	2 26	
10	♑	Sol in ♉	virg 3	□☿☽ 5 p. som cloud.	2 49	
11	♒	Leo pap.	virg 15	Variable. □☿☽ 11 p.	3 11	
12	♓	Julius	virg 28	Warme. ☉ ☌ ♉	3 34	
13	♈	Sun rise 4. 51	libra 10	△♃☉ 9 a. Cleer &	3 51	
14	♉	Tiburt.	libra 24	Windy. Eclipsis ☽	4 12	
15	♊	Palm-sund.	scor. 7	△♂☽ 11 p. Warm.	Full ☽	
16	♋	Sun set 7. 15	scor. 21	Clou. arif. ☌☿☽ 11 p.	9 A 10	
17	♌	Osmond	sagit 5	A very bakward sea-	10 10	
18	♍	Valerian	sagit 19	☌☉♄ 3 p. so perhaps	11 9	Moons-rising.
19	♎	Sun rise 4. 40	capr 3	some hail. ✶♄☽ 9 p.	12 4	
20	♏	Leo Episc.	capr 17	☌♂☽ 10 a. Warm.	mor. 4	
21	♐	Adelar.	aqua 1	☽ Perig. Cloudy.	5 46	
22	♑	Easter day	aqua 16	Fair and mild air.	1 21	
23	♒	S. George	pisc. 0	□♃☿ 5 p. Windy &	1 50	
24	♓	Sun set 7. 2	pisc. 14	cold. △♄☽ 3 a.	2 15	
25	♈	S. Mark 8	pisc. 28	Fresh gales of wind.	2 39	
26	♉	Sun rise 4. 28	aries 11	Td. ♄♂. Some hail.	3 3	
27	♊	Anastasius	aries 25	Very warm.	3 23	
28	♋	Vitalis	taur. 8	Cold and cloudy.	3 55	
29	♌	Low-sunday	taur. 21	Mild. ✶♂☽ 12. noon	New ☽	
30	♍	Sunset 7. 38	gem. 4	□♃☽ 11 a. windy.	9 A 1	

2 day at 11 beforenoon, Venus
5 day at 10 at night, Mars.
10 day at 2 afternoon, Jupiter
14 day at 3 morning, Spica ♍
15 day at 3 afternoon, Saturn
30 day at 5 night, Mercury.
} is with the moon

Day 1 the Evening Star sets at 10 a clock, and 1 minute.

ho.	min	
4	A 30	*Full Sea at* London-bridge.
5	20	O thrice welcome! comes thou now?
6	11	*Nullum est quod non tempori cedat opus.*
7	2	The pious and upright man hath cause to rejoyce and give thanks at this time.
7	52	A Peace between *England* & *Holland* concluded,
8	43	Tong-Castle surrendred, 1644. (1654
9	30	
10	19	Day 14 hours
11	4	Day increased, 6 ho. 42 min.
11	48	Preparation for war abroad, & divisions at home
12	33	Capt. *Hotham* routed at *Ancaster*, 1643
1 mor.	33	
1	15	*Exceter* surrendred to the Parliament, 1646
1	59	*Christus die Palmarum ingreditur Hierosol.*
2	47	*Eclipsis Lunæ inconspicua.*
3	38	Day 14 hours 30 min.
4	35	
5	35	☌ ♄ ☉ 7 p. *Juxta Tabulas Danicas C.S. Longom.*
6	35	Saturn begins to be Occidental.
7	37	The Parliament dissolved by the Armie, 1653.
8	33	Day lengthened 7 ho. 26 min. The Parliament
9	28	dissolved again, 1659.
10	20	*Hotham* denies the King entrance into *Hull* 1642
11	10	Day 15 hours.
12	0	*Poyer* shot to death, 1649
0	A 48	News pleasing to few, or none.
1	36	*Dominandi libido bestia ferocissima.*
2	25	*Lockier* shot to death, 1649
3	14	*Monntros* routed, 1650. *Eclipsis* ☉ *invisibilis.*
4	6	

☽ First quarter the 7 day, 43 min. past 7 in the morni
☻ Full moon the 14 day, 23 min. past 7 at night
☽ Last quarter the 21 day, 22 min. past 11 beforenoon
● New moon the 28 day, 57 min. past 8 at night.

D	☉ ☿	Holy & festiual days, with S unser	Moons Sign	The Planets Aspects & change of air, &c.	Moons Rising & Setting
1	♄	Ph. & Jacob	gemi 17	Fair & seasonable.	9 A 56
2	♂	Athanas.	gemi 29	Temperat. ☌♃ ☽ 9 p.	10 44
3	♃	Sun rise 4 16	canc 11	Cloudy. △♄ ☽ 5 a.	11 36
4	☉	Florian	canc 23	✱♂☉ 5 p. hot ✱♃☿	11 59
5	☿	Gothard	leo 5	☽ Apog. Cloudy. (13	12 27
6	♀	2 Sun. af. Ea.	leo 17	ss. ☌☿. Gentle wind.	mo. 27
7	☾	Sun set 7 50	leo 29	Fair. ☍♃ ☽ 10 p. some	0 54
8	♄	Staniſlaus	virg. 11	cold rain. ✱♀ ☽ 5 a.	1 18
9	♂	Nicholas	virg. 23	Term begins Warm.	1 39
10	♃	Pancrat.	libra 5	□♃ ☽ 9 p. some un-	1 57
11	☉	Sun rise 4 4	libra 18	kind winds. □♂ ☽ 18	2 20
12	☿	Gordian.	scor. 1	Thunder-like	2 43
13	♀	3 Sun. af. Ea.	scor. 15	☌☉☿ 2. p. high winds	3 11
14	☾	Sun set 8 0	scor. 29	Uncõstant. ☌☿ ☽ 4 p.	Full ☽
15	♄	Sophia	sagit 14	□♃ ☉ ☽ 10. Fair and	8 A 54
16	♂	Brandin	sagit 28	windy. ✱♂☿ 3 p.	9 52
17	♃	Jodocus	capr. 13	Vc. ♄☽ Hail. Td. ♄☿	10 40
18	☉	Sun rise 3 55	capr. 28	Warm. ☌☌☾ 7 p.	11 21
19	☿	Bernard	aqua 12	☽ Perig. Coole.	11 55
20	♀	4 sun. af. Ea.	aqua 26	Gentle winds.	12 22
21	☾	Sun set 8 8	pisce 10	△♄ ☽ 5 a. Cloudy.	mo. 22
22	♄	Desiderius	pisce 24	Coole. △☿ ☽ 11 a.	0 44
23	♂	Desiderius	aries 8	Bq ♄☉. ss ♃☌ Fair.	1 7
24	♃	Sun rise 3 49	aries 21	Overcast. □☿ ☽ 9 p.	1 30
25	☉	Urbanus	taur. 4	□♄☽ 11 a. thunder.	1 55
26	☿	Bede	taur. 17	☿ stat in ✱☿ 3.	2 25
27	♀	Rogat 6 sun	gemi 0	Fair, □♃ ☽ 11 p.	3 9
28	☾	Sun set 8 14	gemi 12	Fitting the season.	New ☽
29	♄	Coron. Mar.	gemi 25	Hee prooves very pervish.	8 A 37
30	♂	Sun set 8 14	canc 7	✱♄♃ p. some hail	9 21
31	♃	Ascens. day	canc 19	and thunder.	9 56

he 2 day at 4 afternoon, Venus
he 4 day at 2 afternoon, Mars
he 7 day at 10 at night, Jupiter
he 12 day at 9 at night, Saturn
he 17 day at 1 afternoon, Arista
he 27 day at 7 morning, Mercury
} is with the Moon.

day 1 the Evening Star sets at 22 min. past 11 a clock.

ho. min. *Full Sea at London-Bridge.*

4 57
5 49 *Oxford* besieged, 1646.
6 40
7 28 *Day 15 hours 30 min.*
8 15 The King came to the Scotch Army, 1646.
9 10 Some notable Designs on foot.
9 44 *Day* increased, 8 *ho.* 20 *min.*
10 27
11 9 *Newark* surrendred to the Parliament, 1646.
11 53 *Pleiadum ortus matutinus adsert initium æstatis.*
12 39 ☌☉☿ 2 a. by *Argals* Ephem.
mor. 39 Earl of *Strafford* beheaded, 1641.
27 ☌☉☿ 5 p. by *Eichstad.* Ephem.
21 *Day 16 hours.* *Mercury* Oriental.
18 Well maist thou rejoyce and be glad.
19 *Surry* Petitioners dispersed, some slain, and ma-
21 ny wounded, 1648.
21 Levellers shot at *Burford*, 1649.
21 Doth Sects and Schisms still annoy us?
18 *Lex fertur in Sinai.*
9 *Montross* executed, 1650.
9 57
10 44 *Day* increased 9 hours. The Queen voted a
11 30 Kentish insurrection, 1648. (Traytor, 1643.
12 27 There's fear on all sides, and why not at home?
A 6 Stand firm and stedfast.
56
47 *Bolton* taken by storm, 1644. (*homete.*
39 *Day 16 ho. 30 min. Constantinopolis capta a Mac-*
30 *Leicester* besieged by the Kin. 1645. *Hurry* be-
18 *Leicester* stormed & taken, 1645. (headed, 1650.

☽ First quarter the 5 day, 54 min. past 11 at night.
● Full moon the 13 day, 28 min. past 3 in the morning.
☾ Last quarter the 19 day, 57 min. past 5 in the afternoon.
● New moon the 27 day, 56 min. past 10 before noon.

☉	♄	Holy and festival days, with Sun-set	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons and
1	☾	Sun rise 3.43.	Leo 1	cold & cloudy □ ♄ ☽ 9 p	10 A
2	☾	Marcel.	Leo 13	□ ♀ ☿ 5 p. cold rain.	10 5
3	☾	Exaudi	Leo 25	Fair and ✶ ♄ ☽ 23.	11 1
4	☾	Term ends	Virg. 7	cleering up. ☐ ♀ ☽ 1.2	11 3
5	☾	Sun set 8.19	Virg. 19	☌ ♅ ☉. very warm.	11 5
6	☾	Artemin.	Libr. 1	Temperate. △ ♀ ☽ 4 p	12 1
7	☾	Wolston.	Libr. 14	✶ ♂ ☽ 7. a. cloudy.	mor. 1
8	☾	Sun rise 3.40	Scor. ●	Gentle winds.	0 4
9	☾	Barnim.	Scor. 12	✶ ♄ & □ ♂ ♀ ad ☽	1 6
10	☾	Whitsunday	Scorp. 23	□ ♅ ♀ 3 p. Lofty win.	1 3
11	☾	Sun set 8. 20	Sagi. 7	but pretty fair.	2 1
12	☾	Basil.	Sag. 22	some clouds. △ ♂ ☽ a	3
13	☾	Cyrill	Capr. 7	Bq ♄ ♀. sudden show-	Full ☽
14	☾	Valerius	Capr. 22	☌ ♂ ♀ 11. a. ers of rain	9 A 1
15	☾	Sun rise 3.41	Aqua. 7	are to be expect. if not	9 4
16	☾	Rolandus	Aqua. 22	△ ♄ ☉ 1 op. some thun-	10 1
17	☾	Trinity Sun.	Pisc. 7	der these daies.	10 4
18	☾	Sun set 8.18	Pisc. 21	☉. Apog. cooling.	11
19	☾	Gervase.	Aries 5	Drops of rain. Fair	11 2
20	☾	Regina	Aries 18	✶ ♅ ☉ 9 a. and warm	11 5
21	☾	Corpus Chr.	Taur. 1	weather. ☌ ♄ ☽. 8 p.	12 2
22	☾	Term begins	Taur. 14	Fair and clear air.	mor. 2
23	☾	Sun rise 3.45	Taur. 27	✶ ♀ ♅ 10. p. windy.	0 5
24	☾	John Baptist	Gem. 9	Clear and warm.	1 3
25	☾	Sun set 8.14	Gem. 21	✶ ♂ ☽ 6. p. Hot.	2 1
26	☾	Alban.	Canc. 4	cooling air. ✶ ♅ ☽ 11 p	3
27	☾	7 Dorm.	Can. 16	♄ stat in △ 8. p & in	New ☽
28	☾	Sun rise 3.48	Canc. 28	Td. ☉. Fair.	8 A 2
29	☾	Peter Apost.	Leo 10	cold & windy. □ ♄ ☽	8 5
30	☾	Con. of P.	Leo 22	✶ ♅ ♃ 6. a. variable.	9 1

1 day at 6 afternoon, Venus
2 day at 7 in the morn, Mars
4 day at 11 beforenoon, Jupiter } is with the Moon,
9 day at 5 in the morn, Saturn
26 day at 9 morning, Mercury
30 day at 12 night, Mars

Dec 1 *the Evening Star ſets at* 11 *a clock and* 10 *min.*

ho.	min.	*Full Sea at London-bridge.*
6 A	7	
6	52	A great Sea fight between the Engliſh & Dutch,
7	36	1653. wherein the Dutch were worſted.
8	18	*Joyce* took the King from *Holmby*, 1647.
9	0	Men ſtill murmure one at another, and every
9	42	place is divided, take heed leſt ruine and devaſta-
10	27	Dayes are increaſed 9 *ho.* 18 *min.* (tion follow.
11	11	*Ludlow* ſurrendred, 1646.
12	1	☿ *elong. max. à* ☉
mor.	1	
0	56	The longeſt day containing with us at (& about)
1	55	*North-Luffenham*, 16 ho. 40 min.
2	56	☌☌☿ 11 p. according to Eichſtadius.
3	59	The fatal Battel at *Naſeby*, 1645. ☌☌☿ 11 p.
5	2	according to Argol.
6	0	*Multæ Reſpublicæ diſcordiâ perdiderunt;*
6	56	
7	48	*Leiceſter* regained by the Parliament, 1645.
8	37	
9	23	The Treaty at *Oxford* ended, 1646.
10	10	
10	58	
11	47	Day 16 hou. 30 min.
12	36	*Oxford* ſurrendred, 1646.
12 A	18	Dayes are decreaſed, 0 ho. 12 min.
1	18	☿ *maximè divagatur à* ☉.
3	8	Nothing but diſſention & hatred amongſt men.
3	57	
4	44	Perillous times.
5	27	Day is ſhortned 19 min.

July hath xxxi. days.

First quarter the 5 day, 53 min. past 1 in the afternoon.
Full moon the 12 day, 26 min. past 10 before noon.
☽ Last quarter the 19 day, 51 min. past 2 in the morning.
New moon the 2 day, at 27 in the morning.

D.	L.	Holy and festival days with Sun set	Moons Signs	The Planets Aspects, & change of Ayr, &c.	Moons Rising and Setting.
1	G	2 Sun. at. Tr.	Virg. 4	Cloudy. ✶♄☽ 4 p.	9 A 40
2	a	Visit. Mary	Virg. 16	✶♄☿ 4 12. an inclina-	10 0
3	b	Sun set 8. 6	Virg. 28	tion to rain. Td ♄☿	10 20
4	c	Ulric	Libra 10	Fine, cool air;	10 41
5	d	Sun rise 3. 55	Libra 22	□☿☽ 10 a. Variable,	11 4
6	e	Hector	Scor. 5	☌☉☿ 9 p. the wine	11 31
7	f	Demetrius	Scor. 18	is high. ☉ 25 18 ♌	12 4
8	G	3 Sun. af. Tr.	Sagit. 2	more seren: & warm.	mor. 4
9	a	Sun set 8. 1	Sagit. 16	☌♃☿ 11 very tem-	0 48
10	b	7 Fratres.	Capr. 1	perate. ✶♄☽ 8 p.	1 44
11	c	Pius	Cap. 16	Fair and Warm.	2 52
12	d	Sun rise 4. 5	Aqua. 1	□♄☿ 5 a. Wind and	Full ☽
13	e	Margar.	Aqua. 16	Showers. ♂ 6 11 m	8 A 14
14	f	Bonavent.	Pisc. 1	thunder-like. ♂☌☽	8 43
15	G	4 Sun. af. Tr.	Pisc. 16	SS♃☿ wholsom air.	9 8
16	a	Sun set 7. 50	Aries 0	Warm. ☉ 3 53 ♌	9 32
17	b	Alexius.	Aries 14	△☽☿ 3 p. Hail,	9 57
18	c	Rosina	Aries 28	☌♄☉☿ thunder &	10 24
19	d	Vincent. beg.	Taur. 12	remission of heat.	10 57
20	e	Sun rise 4. 17	Taur. 24	mutable. △☿☽ 4 a.	11 32
21	f	Daniel	Gem. 6	☌♄☿ Warm & win-	12 14
22	G	5 Sun. af. Tr	Gem. 18	dy. □♃☽ 3 a. □☿☽ 5 p.	mo. 14
23	a	Sun set 7. 39	Canc. 1	Cold & win. ✶☿☽ 2 a.	1 4
24	b	Christian	Canc. 13	warmer. ✶♃☽ 4 p.	1 58
25	c	James Apost.	Canc. 25	✶☿☽ 8 a. Cloudy	2 57
26	d	Anna	Leo 7	☽ Apog. □ ♄☽ 10 p.	3 59
27	e	Sun rise 4. 28	Leo 19	Fair. & warm.	New ☽
28	f	Panthal.	Virg. 1	Heat, thunder and	7 A 44
29	G	6 Sun. af. Tr.	Virg. 13	☌☉☿ 12 lightning	8 6
30	a	Sun set 7. 27	Virg. 25	overcast. ♂☿☽ 2 p.	8 27
31	b	German.	Libr. 7	Indifferent weather.	8 48

Moons Setting.

Moons Rising.

Ser.

The 1 day at 2 afternoon, Venus
The 2 day, at 2 morning, Jupiter
The 6 day at 1 afternoon, Saturn
The 28 day, at 10 at night, Mercury
The 29 day, at 7 night, ☿ & ♂
The 30 day, at 2 aftern. Venus
} is with the Moon.

Day 1 the Evening Star sets at 9 a clock and 56 min.

D.	ho.	min	*Full Sea at London-bridge.*
1	6	A 11.	
2	6	51	The great fight on *Marston-Moor*, where the Kings Forces were beaten, 1644.
3	7	34	
4	8	16	
5	9	0	*Day* decreased, half an *hour*. ☌☉☿ 10 a. Argol.
6	9	47	*Francis* Lo. *Villers* slain, 1648.
7	10	16	☌☉☿ 7 a. according to Eichstad.
8	11	31	*Mercury* is occidental.
9	12	32	*Day* 16 *hours*.
10	mor.	32	
11	1	34	*Gloceſter* beſieged by the King, 1643.
12	2	38	
13	3	41	*Don Pantaleon Sa* beheaded. 1654.
14	4	39	ſome notable acts or warlike ſtratagems in ſome
15	5	33	parts of the world, not far from us.
16	6	29	*Litchfield* ſurrendred, 1646.
17	7	16	
18	8	3	Dr. *Levens* of *Oxford* executed.
19	8	52	*Day* 15. *hou*. 30. *min*.
20	9	42	*Days* decreaſed, 1 *ho*. 14 *min*.
21	10	31	
22	11	22	The King ſet up his Standard at *Nottingham*,
23	12	13	*Worceſter* ſurrendred, 1646. 1642.
24	1	A 3	*Burleigh* Houſe taken by the Parl. 1643. and
25	1	52	the Countrymē worſted about *Bridg-Caſterton* in
26	2	39	*Rutland*, & many of them ſlain the ſame day.
27	3	24	Day 15 hours. *Briſtol* taken, 1643.
28	4	8	☌☿♂ 6p. by Eichſtad. but the 29 at 3 a. by Arg.
29	4	50	A bloody Sea-fight betwixt the *Engliſh* & *Dutch*,
30	5	33	wherein their Admiral *Van Trump* was ſlain,
31	6	15	and his fleet worſted, 1653.

First quarter the 4 day, 24 min. past 1 in the morning.
Full moon the 10 day, 30 min. past 5 at night.
Last quarter the 17 day, 37 min. past 2 in the afternoon.
New moon the 25 day, 41 min. past 5 at night.

☽	☉	Holy dayes, festival dayes, with Sun set	Moons Signes.	The Planets Aspects & change of ayr, &c.	Moons rising & Setting
1	c	Lammas day	Libr. 19	Good hay weather.	☽ A 9
2	d	Sun set 7. 22	Scor. 1	Overcast and cold.	9 35
3	e	Domin.	Scor. 14	✶♃☽ 5 p. Warmer.	10 7
4	f	Aristarchus	Scor. 27	some Clouds. ✶☿☽ o	10 47
5	g	7 Sun. af. Tr.	Sag. 11	☌♃☿ 4p. great win.	11 35
6	a	Sun rise 4. 45	Sag. 25	rain and Thunder	12 35
7	b	Festum Iesu.	Capr. 9	Fitting the season.	m. 35
8	c	Cirriach	Cap. 24	very hot. △☿☽ 7 p.	1 47
9	d	Sun set 7.9	Aqua. 9	☽ Perig. cooler air.	3 7
10	e	Laurentius	Aqu. 24	☌☿☿ 2p. Thunder &	Full ☽
11	f	Titus	Pisc. 9	Hail. ☊☊ ☉☿	7 A 11
12	g	8 Sun af. Tr.	Pisc. 24	something unseasona.	7 36
13	a	Sun rise 4.59	Aries. 9	☉ o 45. ♈ Fair.	8 3
14	b	Eusebius.	Aries 23	☌☿☿ 9 p. Wind and	8 32
15	c	Assum. Mary	Taur. 7	wet. ☌♄☽ 12 noon.	9 3
16	d	Sun set 6. 55	Taur. 20	Cleer and Warm.	9 39
17	e	Agapitus	Gem. 3	☌☌☿ 10 p. *apertio*	10 21
18	f	Helena	Gem. 15	*portarum* to rain, hail,	11 5
19	g	9 Sun. af. Tr.	Gem. 28	✶ ♄ ☉ 7p. & thund.	11 57
20	a	Sun rise 5. 11	Canc. 10	Bad harvest-weather.	12 58
21	b	Athanasius.	Can. 22	✶☿☽ 11 p. fairer,	m. 56
22	c	Oct. Assum.	Leo 3	cold winds. ☐ ♄☽ 8p.	1 58
23	d	Sun set 6. 42	Leo 15	☽ in Apog. Warm.	3 2
24	e	Bartholo. Ap.	Leo 27	☊☊♄☿ wind, hail.	4 7
25	f	Ludovicus	Virg. 9	☉ 12 23 ♍. fair.	New ☽
26	g	10 Sun af. Tr.	Virg. 21	Seasonable. ☌♃☽ 00	☾ A 39
27	a	Sun rise 5. 27	Libr. 3	windy and overcast.	7 1
28	b	Decol. Ioh.	Libr. 16	♃22 19 ♍ indiffer.	7 23
29	c	Decol. Joh.	Libr. 28	☽☌♄. ☌ 6 11 ♎.	7 49
30	d	Sun set 6. 28	Scor. 11	A seasonable time for	8 17
31	e	Paulinus	Scor. 24	☌♃☿ 10 2, Harvest.	8 52

e 2 day at 10 at night, Saturn
e 16 day at 10 night, the 7 Stars
e 26 day at noon, Jupiter
e Same day at 7 night, Venus
e 27 day at 2 afternoon,
e same day at 10 night,
} is with the Moon.

The 1 day the Evening Star sets at 8 a clock and 6 min.

ho min *Full Sea at London-bridge.*

6 A 57 *Malorum consuetudo sensum adimit.*
7 42 Day is decreased 1 *ho.* 56 *min.*
8 31
9 24 *Dorchester* taken, 1643.
10 20 ☌☿☽ 11 2. according to *Eichstadius.*
11 19 *Day* 14 *ho.* 30 *m.*
12 20 Let *Paris* in *France* take heed of fire this mon.
nov. 4 The *Scots* Army enter *England*, 1651.
1 22 Day decreased 2 ho. 22 min.
2 23
3 21 *Glocester* besieged by the King, 1643.
4 14
5 6 *Day* 14 *hours.*
5 58 Day decreased 2 *ho.* 36 *min.*
6 50
7 40 D. *Hamiltons* Army routed, 1648: ☌☽☿ 7 2.
8 32 according to the calculation of *Andreas Argolus*
9 25 ☌☽☿ 5 2. *Eichstad.*
10 14 When wanton companions meet, ther's merriment enough.
11 5
11 54 *Day* 13 *ho.* 30 *min.*
12 43 *Love* and *Gibbons* beheaded, 1651.
1 A 28 A notable enterprise.
2 13 The King brought to *Hampton-Court*, 1647.
2 56
3 38 Dayes are decreased 3 *ho.* 30 *min.*
4 21 ☌☽☿ 3 2. according to *Argols Ephem.*
5 4 *Colchester* surrendred, and S^r *Ch. Lucas*, & Sr *Geo*
6 49 *Day* 13 *hours.* *Lisle* shot to death, 1648.
6 35 A great person hopes to obtain his place again,
7 24 and there may be reason for it.

84

First quarter the 2 day, 52 min. past 10 before noon.
Full moon the 9 day, 43 min. past 1 in the morning.
◐ Last quarter the 16 day, at 6 in the morning.
● New moon the 24 day, 46 min. past 9 in the morning.

		Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, Moons Rising, & change of ayr, &c	& Setting.	
1	f	Sun rise 5. 37	Sagit. 7	✶☌☽ 2 p Warm.	9	A 36
2		11 Sun. af. Tr.	Sag. 20	storms of rain, and	10	29
3	a	Euphemus	Capr. 4	☍☍♀ 10 a, ☌☌♂	11	34
4	b	Theodosius.	Cap. 18	Hail, and Thunder in	12	49
5	c	Sun set 6. 16	Aqu. 3	some places. □ ♄☽ 10 p	mo.	49
6	d	Magnus	Pisc. 18	☌☍☿☽ Clear, and	2	9
7	e	Sun rise 5. 48	Pisc. 3	Windy. ☽ Perig.	3	34
8	f	Nat. Mary	Aries 18	Fine Temperate, ain	4	58
9		12 Sun af. Tr.	Aries 2	☌♀☽ 4 p. Windy.		Ful
10	g	Sun set 5. 56	Tau. 17	Warme. ☌☽ 6 a.	6	A 41
11	b	Martian.	Taur. 1	fair and dry. ☌♄☽ 14	7	10
12	c	Martinus	Tau. 15	SS ☌♀ Some drops.	7	45
13	d	Sun rise 6. 2	Gem. 28	☍☍♀ 7 p. Blustring	8	26
14	e	Exalt. Crucis	Gem. 11	win. with some rain.	9	12
15	f	Sun set 5. 56	Can. 24	No great alteration.	10	2
16		13 Sun af. Tr.	Canc. 6	△♄☽ 7 p. Cloudy.	10	59
17	a	Lambert	Can. 18	*Apertio portarum* to	11	58
18	b	Samuel.	Leo 0	☍☍♀ 12 winds and	13	1
19	c	Januarie	Leo 12	rain, which holds	1 mo.	1
20	d	Sun rise 6. 15	Leo 24	most part of the mon.	2	3
21	e	S. Matthew	Virg. 6	✶♄☽ 9 p. Overcast.	3	7
22	f	Sun set 5. 40	Virg. 18	Cool. ☌♀☽ 2 a.	4	12
23		14 Sun. af. Tr.	Libra 0	SS ☉♄ Some hail.	5	16
24	a	Rupert	Libr. 12	Cloudy. ☉ 11. 47 ♎.		New
25	b	Victor.	Libr. 25	SS ☉♀. moist.	6	A 0
26	c	Sun rise 6. 28	Scor. 8	Cold rain like.	6	28
27	d	Judeth.	Scor. 21	Variable. ✶☌☽ 12 p	7	3
28	e	Wenceſl.	Sag. 4	A fair morning.	7	43
29	f	S. Michael.	Sag. 17	☍☍♀ 10 p Wind	8	34
30	g	15 Sun. af. Tr.	Capr. 1	and rain. □ ♅☽ 8 a.	9	35

The 13 day at 4 morn. the 7 Stars
The 22 day at 2 morning, Venus
The 23 day at 2 morning, Mercury
The same day at 7 morn. Jupiter
The 25 day at 10 morning, Mars
The 26 day at 6 at night, Saturn
} is with the Moon.

☿ is now in Conjunct. with the Sun, & becoms a Morn. Star.

D.	ho.	min.	
			Full Sea at London-bridge.
1	8	18	
2	9	14	Earl of *Essex* defeated in the West. 1644.
3	10	12	The Scots routed at *Dunbar* 1650. and at *Worcester*, 1651.
4	11	12	
5	12	12	*Day* 12 *ho.* 30 *min.*
6	mor.	12	
7	1	11	☌☉☿ 8 p. *juxta Ephem. Argol.*
8	2	8	The French Fleet beaten by the English, 1652.
9	3	4	The 8 day ☌♄☿ ☉ accord. to *Arg.* & ☌☉♄ 4 a
10	3	56	
11	4	47	*Day* decreased, 4 *ho.* 32 *min.* *mariq;*
12	5	38	*Arcturus or. mane vehementissimo significatu terrâ,*
13	6	31	Day 12 *ho.* Night 12 *ho.* Day & Night equal.
14	7	25	A tottering age, and who can mend it?
15	8	18	
16	9	8	*(Eichstadii.*
17	9	59	Earl of *Essex* died, 1646. ☌♄☿ 6 p. *ex calculo*
18	10	47	Various rumours are spread in all places.
19	11	34	*Misereri praestat, quàm ulcisci.*
20	12	18	*Day* 11 *ho.* 30 *min.*
21	1 A	1	
22	1	45	The Scotch Colours hung up in *Westm.* hall, 1650
23	2	27	*Day* decreased 5 *ho.* 24 *min.*
24	3	10	*Routon*-heath fight, where the Kings forces were beaten, 1645.
25	3	54	
26	4	41	Now comes some pleasing Intelligence.
27	5	31	*Day* 11 *hours.*
28	6	23	
29	7	18	*Barkley* yielded, 1645. ☿ *longissimè declinat à* ☉
30	8	16	☌♄☿ 2 a. Eichstadius & Argol.

☽ First quarter the 1 day, 46 min. past 6 at night.
● Full moon the 8 day at 12 a Clock at noon.
☾ Last quarter the 16 day, a quar. before 1 in the morning.
● New moon the 24 day, 10 min. past 1 in the morning.
☽ First quarter the 31 day, 8 min. past 2 in the morning.

☌	☍	Holy and festival days, with Sun-set.	Moons Sign.	The Planets Aspects, and change of ayr, &c.	Moons Rising and setting.	
1	a	Sun set 5.21	Capr. 15	Moist. △☿☽. ✶♄☽.	10 A 45	Moons-set.
2	b	Leodeger	Capr. 29	Warm. □ ☌☽ 00	12 1	
3	c	Simplicius	Aqua. 13	SS♃☌. flying clouds.	mor. 1	
4	d	Franciscus	Aqu. 27	Dry. △☌☽ 4 p.	1 22	
5	e	Sun rise 6.47	Pisc. 12	Cloudy if not rain.	2 41	
6	f	Aurelia	Pisc. 26	Clearing and fair.	4 3	
7	♉	16 Sun. af. Tr	Aries 11	☌☿☽ 9 a. Windy.	5 21	
8	a	Sun set. 5.8.	Aries 25	SS♄☿. Some hail.	Full ☽	
9	b	Dionysius	Taur. 9	Cold and cloudy.	5 A 47	
10	c	Gedeon	Taur. 23	△☿☽ 1 a. Overcast.	6 26	
11	d	Burchar.	Gem. 6	Fair and Temperate.	7 9	
12	e	Sun rise 7. 0	Gem. 19	SS☿☿ Variable.	7 59	
13	f	Tileman.	Canc. 2	Dry. □♃☽ 11 a. △☽☌	8 54	Moons-Rising.
14	♋	17 Sun. af. Tr	Canc. 14	Cold and Cloudy.	9 53	
15	a	Sun set 4.54	Canc. 26	Fair. ✶♃☽ 11 p.	10 55	
16	b	Gallus	Leo 8	□♄☽ 10 p. Cloudy.	11 57	
17	c	Florence	Leo 20	☽ Ap. not much amiss.	12 59	
18	d	Luke Evang.	Virg. 2	Temperate air.	mo. 59	
19	e	Sun rise 7.14	Virg. 14	✶☌☽ 4 a. Freezing.	2 2	
20	f	Wendel.	Virg. 26	A misty morning.	3 6	
21	♌	18 Su. af. Tr.	Libr. 8	SS♃☿ Some Wind.	4 12	
22	a	Sun set. 4.41	Libr. 21	Indifferent.	5 19	
23	b	Term begin.	Scor. 4	☌☿☽ 3 p. Windy.	6 24	
24	c	Salom	Scor. 17	Frost, ☌♄ & ☌☽ in ☌.	New ☽	
25	d	Crispin.	Sagi. 2	☌♄☍ 6 a. rain.	5 A 45	Moons-set.
26	e	Sun rise 7.25	Sagi. 14	Winter begin. apace.	6 34	
27	f	Victoria	Sag. 28	☌♄☉ 5 p. rain, snow,	7 32	
28	♍	Simon & Jud.	Cap. 12	and high winds to	8 41	
29	a	Sun set 4.30	Cap. 26	☌♄☽ 4 a. the end	9 54	
30	b	Absolon	Aqu. 10	of the moneth. ☽ Per.	11 12	
31	c	Wolffgang.	Aqu. 24	☌☉☿ 00, ☌☌☿ 6 p.	12 29	

The 19 day at 3 afternoon, the 7 Stars
The 20 day at 6 morning, Venus
The 21 day at 2 morning, Jupiter
The 23 day at 3 afternoon, Mercury
The 24 day at 7 morning, ☽ and ♂
The 25 day at 9 night, Cor ♏
} is with the Moon.

The 1 day the Morning Star riseth at 3 a clock and 39 min.

D	ho.	min.	
			Full Sea at London-Bridge.
1	9	A 14	*Sandal*-Caſtle ſurrendred, 1645.
2	10	12	We have err'd many years, and we are now as
3	11	10	full of pride & diviſions, as ever the *Jews* were.
4	12	5	Let us mourn&grieve for our ſins, that the Lord
5	mor.	5	*Day* 10 *ho.* 30 *min.* (may avert his judgments.
6	0	59	*Winthester* delivered, 1645.
7	1	50	Mr. *Benſon* executed, 1650.
8	2	40	Day decreaſed, 6 *ho.* 24 *min.*
9	3	32	
10	4	25	Moon with the *Pleiades.*
11	5	20	*Veſtigium Reipublicæ nullum ſupereſt.*
12	6	13	*Day* 10 *hours.*
13	7	6	
14	7	57	*Sherborn* fight, 1645.
15	8	47	
16	9	34	*Basing* taken by ſtorm, 1645. & the Earl of *Derby*
17	10	19	beheaded, 1651.
18	11	2	
19	11	44	*Day* 9 *ho.* 30 *min.*
20	12	26	
21	1	A 9	
22	1	54	Sir *Timothy Fetherſton* beheaded, 1651.
23	2	39	The great fight at *Edge-hill*, 1642.
24	3	28	
25	4	20	☌☿☍ 10 a according to *Longomont.* but 1 p. ac-
26	5	17	cording to *Argol.*
27	6	14	Feſta dies Iudæ cùm tranſit ſtrage Simonis,
			In Foribus nobis eſſe putamur hyems.
28	7	13	*Day* 9 *hours.* *Newbury* ſecond fight, 1644.
29	8	11	Day decreaſed, 7 *ho.* 40 *min.*
30	9	7	Iſle of *Man* taken, 1651. ☌☉♀11 p. *Kepler.*
31	10	c	☌ ☍ ♀ 0 according to *Eichſtad.*

Full moon the 7 day, 5 min. before 1 in the morn.
☾ Last quarter the 14 day, 45 min. past 9 at night.
● New moon the 22 day, 14 min. past 3 in the aftern.
First quarter the 29 day, at 10 before noon.

K.	D.	Holy and festival days, with Sun sets.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	d	All Saints	Pisc. 8	Fair and cloudy.	mo. 29
2	e	All Soules	Pisc. 22	Wind and clouds.	1 47
3	f	Sun rise 7.41	Aries 6	A grateful tempera-	3 2
4		20 Sun. af. Tr	Aries 20	☌☿♀ ture of the	4 16
5	a	Petron.	Taur. 4	weather. ☉ 23.50 m	5 29
6	b	Leonard	Taur. 18	Snow-like. ☍☌☽ 10p.	6 40
7	c	Sun set 4.12	Gem. 1	Windy. ☌♅☽ 9 a.	Full ☽
8	d	Claudius	Gem. 14	△♀☽ 3 a. Overcast.	5 A 45
9	e	Theodore	Gem. 27	Not much amiss for	6 39
10	f	Sun rise 7.53	Canc. 10	the season. □♅☽ 6 a.	7 38
11		21 Su. af. Tr.	Canc. 22	Some Frost. △☌☽ 8 p.	8 38
12	a	Cuniber.	Leo 4	✶♅♀☉. Windy.	9 39
13	b	Brice	Leo 16	cold & cloudy ☽ Apog.	10 42
14	c	Sun set 4. 1	Leo 28	□☌☽ 1 p. Warm.	11 45
15	d	Leopoldus	Virg. 10	Wind and clouds.	12 49
16	e	Ormar.	Virg. 22	✶♄☽ 12 a. dark morn	Mo. 49
17	f	Sun rise 8.2.	Libra 4	Frost. ✶☌☽ 5 a.	1 51
18		22 Sun. af. Tr	Libr. 16	SS ♄♀ Gentle Win.	2 55
19	g	Elizabetha	Libr. 29	Temperate & dry.	4 0
20	b	Amos	Scorp. 12	✶♅☉ 10p fine clee-	5 6
21	c	Sun set 3.53	Scor. 25	ring winds. ☌ 4 4 ☿	6 12
22	d	Cæcilia	Sagit. 9	✶♅☽ 00. Fair.	New ☽
23	e	Clemens	Sag. 23	Wavering & uncon-	5 A 11
24	f	Sun rise 8. 5	Capr. 7	stant. □♅☽. 3 p.	6 17
25		23 Su. af. Tr.	Capr. 22	Wind and clouds.	7 32
26	a	Conradus	Aqua 6	△♅☽ 5 p. Snow the	8 49
27	b	Gunther	Aqu. 21	28 day. □♄☽ 8 a.	10 9
28	c	Fermenda	Pisc. 5	□☌☽. Sleet. △♀☽.	11 27
29	d	Sun set 3.45	Pisc. 19	SS ☉♄ Cloudy.	12 43
30	e	Andrew Ap.	Aries 2	□♀☽ 4 p. Variable.	Mo. 43

Moons Setting. Moons Rising. Moons Setting.

The 6 day at 9 morning, Saturn
The same day at 10 night, 7 Stars
The 17 day at 8 night, Jupiter
The 18 day at 7 night, Venus
The 22 day at 3 morning, Mars
The 23 day at 2 afternoon, Mercury
} is with the Moon.

The 1 day the Morning Star riseth at 3 a clock and 7 min.

D.	ho.	min.	
			Full Sea at London-bridge.
1	10	A 53	☌☉♂ 8 a. *Argol.* ☌☉♂ 11 a. *Wing.* but at noon,
2	11	43	according to *Eichstad.*
3	12	32	The long Parliament began. 1640.
4	mor.	32	*Sirius occidit manè.*
5	1	21	*Day 8 ho. 30 min.*
6	2	12	Wher's faireſt words, moſt commonly falſeſt
7	3	2	hearts.
8	3	57	*Non occidat ſol diei ſuper iram, ne occidat ſol*
9	4	52	*Juſtitiæ iratum.*
10	5	45	
11	6	36	
12	7	23	*Brainford* fight, 1642.
13	8	9	
14	8	53	*Day* decreaſed, 8 *ho.* 38 *min.*
15	9	34	☿ *Elong. max. a Sole. Natalis Lutheri an.* 1483.
16	10	17	*Day 8 hours. Beeſton* Caſtle yielded, 1645.
17	10	58	
18	11	41	
19	12	26	A Peace with *France* ratified, 1655.
20	1 A	12	No unpleaſing News *Quod creſcit, minuitur.*
21	2	4	That which encreaſeth, may decreaſe again.
22	2	58	*Cor Scorpii oritur manè.*
23	3	56	
24	4	56	
25	5	56	
26	6	53	The Book of Common-prayer voted down, 1644.
27	7	49	
28	8	41	*Day 7 ho 30 min.* The Treaty between the King
29	9	31	& Parliament in the Iſle of *Wight* ended, 1648.
30	10	91	

Andreæ ſuoem ceriò comitatur hyems, ſi
Adventum forſan diſtulit ante ſuum.

☽ Full moon the 6 day, 18 min. past 4 at night.
☾ Last quarter the 14 day, 14 min. past 7 at night.
● New moon the 22 day, 36 min. past 3 in the morning.
☽ First quarter the 28 day, 34 min. past 7 at night.

Kl.	Dy.	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of Ayr, &c.	Moons Rising & Setting.	
1	C	Sun rise 8.17	Aries 16	Freezing in the mor.	1 M 55	
2	D	Advent Sund.	Taur. 0	Cloudy but dry.	3 7	
3	a	Cassian	Taur. 14	☌♃ ☉ Windy cold	4 15	☽ Set.
4	b	Barbarie.	Tau. 27	□♃☿ 10 a. and some	5 22	
5	c	Sun set 3. 41	Gem. 10	Storms. ♂ ♂ ☽ 7 p.	6 27	
6	d	Nicholas	Gem. 23	More favourable.	Full ☽	
7	e	Agathon	Canc. 5	SS ♃☿. Temperate.	5 A 13	
8	f	Concep. Mar.	Can. 18	Wind and clouds.	6 10	
9	G	2 Su. in Adv.	Leo 0	☉ in 28. 26. ♐.	7 12	
10	a	Sun rise 8.20	Leo 12	☽ Apog Some drops.	8 15	
11	b	Damas.	Leo 24	☐♄☽ 22. Cloudy.	9 17	Moons rising.
12	c	Epimachus	Virg. 6	Seasonable for the	10 19	
13	d	Lucia	Virg. 18	SS♄♂ time of the y.	11 22	
14	e	Sun set 3. 40	Libr. 0	Something overcast.	11 24	
15	f	Abraham	Libr 12	♂♄☿☽ Cold rain,	mo. 24	
16	G	3 Su. in Adv.	Libr. 24	or snow. ■☿☽ 00.	1 29	
17	a	Sun rise 8.19	Scor. 7	More mild.	2 35	
18	b	Christopher	Scor. 20	*Terra Perihel.* Moist.	3 41	
19	c	Loth.	Sagit. 3	☿ ret. in SS ♂.	4 50	
20	d	Sun set. 3. 42.	Sagi. 17	✶♃☽ 42. Frost-like.	5 57	
21	e	Thomas Apo.	Cap. 1	warm. ☉ 10 42 ♍.	6 59	
22	f	Theodor.	Cap. 16	Fresh winds purging	New ☽	
23	G	4 Su. in Adv.	Aqu. 1	□♅☉ ☽ p the air.	6 A 13	
24	a	Sun rise 8.15	Aqu. 16	Rough air. ■♄☽ 8 p.	7 35	
25	b	Christ. Nat.	Pisc. 1	Some showers.	8 56	
26	c	Stephen pro.	Pisc. 15	✱♄♅ 3 a. Unconstant	10 14	Moons-set.
27	d	John Evang.	Aries 0	The latter end of the	11 29	
28	e	Innocent.	Arie 13	☌☉☿☽ p. year is	12 42	
29	f	Sun set 4 49	Arie. 27	like to be turbulent,	mo. 42	
30	G	1 Su af. Chr.	Tau 11	△♃☽ 8 p. and win.	1 51	
31	a	Sylvester.	Tau. 24	□♅♀ 21 Cloudy.	2 59	

The 4 day at 8 morning, ☽ ✱
The 15 day at noon, Jupiter
The 18 day at 1 afternoon, Saturn
The same day at 6 night, Venus
The 21 day at 2 morning, Mars
The 23 day at 1 morning, Mercury
} is with the Moon.

The 1 day the morning-Star riseth at 3 a Clock & 47 min.

D.	ho.	min.	
			Full Sea at London-bridge.
♄	11	A 7	King to Hurst-Castle, 1648.
1	11	54	Quakers examined, 1656.
2	12	45	
3	mor.	45	Jews petition for freedom.
4	1	36	K. Concess. voted Satisfactory, 1648.
5	2	27	
6	3	23	Members imprisoned & secluded, 1648.
7	4	16	
8	5	4	
9	5	50	The shortest day and longest night in the year.
10	6	35	*Day 7 ho. 20 min. Night 16 ho. 40 min.*
11	7	17	The Parliament dissolv'd, 1653.
12	7	58	
13	8	40	
14	9	20	☌ ♄☿ 10 p. *juxta Ephem* Eichstad. & *Argoli.*
15	10	3	Lord Protector ordain'd, 1653.
16	10	49	
17	11	36	
18	12	30	
19	1	A 26	Oliver Lord Protector proclaimed, 1653.
20	2	26	LXV. *tria* C *sex horas continet annus.*
21	3	28	
22	4	28	Sir *Alexander Carew* beheaded, 1644.
23	5	26	*Day 7 ho. 30 min.*
24	6	21	*Day* increased 0 *ho. 11 min.*
25	7	13	Well may the Nation rejoyce & be glad.
26	8	2	☌☉☿ 4 p. by *Argols* Ephem.
27	8	51	Strange times approach.
28	9	39	Major *Pitcher* shot to death, 1648. ☌ ☉ ☿.
29	10	27	3 a. by Eichst. Ephem.
30	11	17	

Finis anni Juliani, 1660.

The Dominion of the Moon in Mans Body, paſſing under the 12 Zodiacal Conſtellations.

Aries head and face.

Taurus, Neck and Throat.

Cancer, Breaſt and Stomack.

Virgo, Bowels & Belly.

Scorpio, Secret Members.

Capricorn, Knees.

Gemini, Arms & Hands.

Leo, Breaſt & Back.

Libra, Reins & Loyns.

Sagittarius, Thighs.

Aquarius, Legs.

Piſces, the Feet.

The Characters of the ſeven Planets, with the Dragons Head and Tayl.

♄ *Saturn*, ♃ *Jupiter*, ♂ *Mars*, ☉ *Sol*, ♀ *Venus*, ☿ *Mercury*,
☽ *Luna*, ☊ *Dragons-head*, ☋ *Dragons-tayl*.

The Aſpects, both Old and New.

☌ Conjunction, when Planets are in one ſign and degree.
SS Semiſextile, when they are aſunder 1 ſign.
⚹ Sextile, when they are 2 ſignes diſtant.
⚺ Quintile, when they are one from another 2 ſig. 12 deg.
□ Quartile, when Planets are diſtant 3 ſignes.
Td Tridecile, when they are 3 ſignes 18 degrees diſtant.
△ Trine, when they are parted 4 ſignes.
Bq Biquintile, when they are removed 4 ſig. 24 degrees.
Vc Quincunx, when they are 5 ſignes diſtant.
☍ Oppoſition, when they are 6 ſig. aſunder, or a ſemicircle.

In the fifth column of the preceding Almanack are noted ſome of the moſt remarkable Conjunctions and Aſpects of the Planets, as they will happen this preſent year 1660. according to my Aſtronomia Inſtaurata lately publiſhed.

But my Ephimerides are more ready for uſe, for they daily exhibit the celeſtial motions with all their various Conjunctions, Aſpects, and Eclipſes, for 30 years, namely, from 1652, to 1672, which Book is of excellent uſe.

Of the Eclipses this year 1660.

There will happen this year, three Eclipses, one of the Sun, and two of the Moon,, but none of them will be visible in great Britain.

The first is a great Eclipse of the Moon upon Palm-sunday the 15 of April, which will be seen in Japonia, Luconia, the Molucca and Philipine Islands, and Islands of the Chinensis Ocean, de la Agnada, California. Virginea, New Spain, Mexico, and in many other places, which you may find described at large in my Ephemerides.

The second is a small Eclipse of the Sun on Sunday April 19 in the morning, to be seen only in Magellanica, and the most remote parts of the Earth unknown to us near the Antartick Pole.

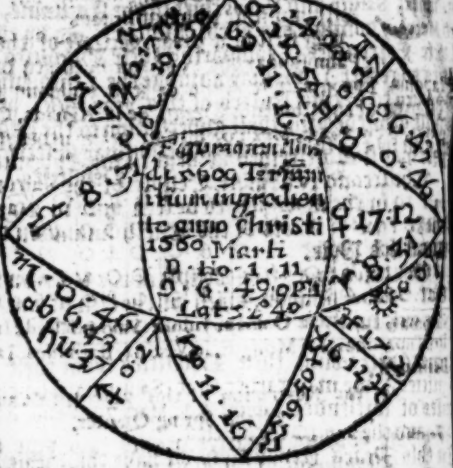
The third is a great Eclipse of the Moon on Munday the 12 of October at noon, which will be seen of our Antipodes and others, in Nova Guinea, Insulæ Salomonis, de la Agnada, de los Amazones, los Moogos, le Vezina, Barbados, Java, Sumatra, &c.

Of the Revolution of this year 1660. and first of the Spring Quarter.

The Spring Quarter begins this year (according to Astronomicall calculation) upon Friday the 9 day of March, at 6 a clock and 49 min. in the afternoon, at which time this earthly Globe whereon we live, maketh its revolution directly at right angles to the Sun, thereby drawing equall quantity of light and darkness, shall make day and night of equall length in all parts of the world, at which instant our ☉ will touch the first point of Libra, and the Sun (according to appearance) entring the first scruple of the Equinoctiall sign Aries, shall begin the years Revolution, as appears by the subsequent calculation drawn from Astronomia Instaurata.

Praxis caleuli	Mot. ☉.				Apog ☉.			
	S.	gr.	′	″	S.	gr.	′	″
Tempus datum sub meridiano Lon. Uraenib. An. 1660	9	19	40	41	3	6	44	4
B. Mart.	1	29	8	19				10
9 Dies		8	52	15				1
6 Hor.			14	47				0
51 Ser.			2					0
25 Secu.				1				0
Longitudo solis media	11	27	58	0	3	6	44	15
Longæum solis subtr	3	6	44	15				
Anomalia Simplex	8	21	13	54				
Equatio add.		2	1	51	Id est			
Locus ☉ locus	0	0.	0.	0	♈	0	0	0

Therefore in our Meridian of North-Lusenham, the time of the Suns ingress into Aries (as is said before) is at 6 a clock, and 49 min. at night, at which time the Heavens are thus posited.



Quando sol intrat Arietem, si Ascendens luerit signum fixum, dirige & apta figuram interitus solis in primum Arietis punctum, & non ultra, quia hoc sufficit. Si fuerit signum commune, exige duas figuras, (viz. ad Arietis & Libræ principium) sed si fuerit Ascendens signum mobile exige apta & figuras omnium quatuor anni temporum. Haly tan 3. cap. 8. de iud. Astrorum, & Guido Bonatus part. 4. cap. 24.

The Summer Quarter usually initiates at the reputed time of the Suns ingress into Cancer, which cometh to pass this year, on Sunday the 10 of June, at 9 a clock and 46 min. in the evening, at which time the 24 degree and 17 min. of Capricorn ascends in the East, and the 23 deg. 40 of Scorpio is in the Medium Cæli. Saturn is now Retrograde in the 8 house, Jupiter, Mars, and Venus direct in the 7. the Sun in the 6. Mercury in the 4. and Lady Luna upon the very Cusps of the mid Heaven.

The Autumnall Quarter inchoats upon Wednesday the 12 day of September at 48 min. past 12 at noon, the Sun then entring Libra, at which instant the Moon possesseth the 5 house, Jupiter, Sol, Venus, and Mercury the 9. Mars the 10. and Saturn the 11 house of the Heavens.

The Winter Quarter begins on Tuesday the 11 of December, at 35 min. before one a clock in the morning, the Sun then seeming to enter the first scruple of Capricorn; at which time Jupiter is collocated in the first house, Saturn and Venus in the 2. Mars and the Sun in the 3. Mercury in the 4. and the Moon in the 11. the 4 deg. 22 min. of Libra ascending, and the 5 degree 43 min. of the Crab culminating.

Having

Having erected 12 Schemes for this years Revolution, according to the doctrine laid down in the Introduction to the second part of my Ephemerides, pag. 106. We find Jupiter Lord of the Spring-Quarter, Mars Almuten of the Summer, Saturn and Venus chief in the Autumne, and Mars and Mercury Dominators of the Winter: and by the number of their Fortitudes (comparing their Dignities and Debilities together) we may adjudge the 2 Infortunes, Mars and Saturn to be chief Rulers of this year 1660. yet so that we must give the principall gubernation to the Planet Mars, as in, and by the subsequent collection may be seen.

	Dignities.							Debilities.						
	♄	♃	♂	☉	♀	☿	☽	♄	♃	♂	☉	♀	☿	☽
Spring.	5	34	9	0	6	0	12	0	0	0	4	0	0	0
Summer.	8	0	43	0	0	16	0	0	4	0	3	2	0	8
Autumn.	26	15	0	0	24	7	6	0	0	0	4	2	0	0
Winter.	12	0	25	0	4	24	5	0	1	0	1	0	0	0
Summa	61	49	77	0	44	47	23	0	5	4	10	2	0	8

Hence (detracting their Debilities from their essentiall Dignities) we may gather that Saturn hath 61 clear testimonies of fortitude, Jupiter 44. Mars 73. Venus 42. Mercury 47. and the Sun 10 Debilities.

In this Years Revolution we have the influence of the Suns Eclipse celebrated the fourth of November the last year 1659. now strongly operating, and the effects depending upon the position of the chief Almutens and Dominators of this present year, with some notable conjunctions and configurations of the celestiall bodies; as the conjunction of Jupiter and Mars in July, and the conjunction of Saturn and Mars, October. 25. In the handling whereof I shall be brief, (not in every point giving all the Astrologicall causes of my Predictions, in respect of my narrow scantling of Paper) and the rather because I foresee some rare and admirable events (though contingent in themselves) like to ensue and befall us, (paucos infra annos,) within a few years, which may cause great wonder and astonishment to all the people of the Nation, but of what nature they will be, let time manifest; for my own part, I must (at present) be silent. Qui fodit foveam, in eam decidet. I shall therefore begin at the years Ingress, or Suns entrance into the Equinoctiall sign Aries, wherein the benevolent Planet, Jupiter is chief Ruler, which promiseth a fair Spring-time, and a temperate and pleasing constitution of the aire, with wholesome and salubrious gales of South wind, very healthful and comfortable to all creatures. Aer enim salubrior efficitur aura, ex vento septentrionali, quem movet ♃. And albeit the Heavens seem to smile upon us for a while, yet at length they

they overcast and frown, looking grim and pale as angry
ens diviſions, and ſlack returns of thoſe many favours a
bleſſings which have been powr'd down upon us; and
without ſpeedy repentance what can we expect? Doth
then now the God of Nature, ſend his Welbegers,
Prodromi, to forewarn us of eminent dangers impending
Certainly if I may ſpeak in the Dialect of the Stars,
muſt tell you, Mars is turn'd Divine, and being in
iuneta infeſta fauſtis aſpectibus & prædonibus, in quibus
miſere trucidantur, naufragia quoque & piraticas invaſiones
moveat. He is Lord of this year, but hath his chief do
nation in the Summer and Winter Quarters, which
gues that we ſhall have a hot burning Summer; men
be full of malice, and ſhall be exceſſively enclined to
common ſins of Coveteouſneſs, Pride, and Drunkenneſ
if not duly puniſhed and corrected by authority. And
cauſe Saturn is Co-partner with Mars in the gubernation
the whole year, and is placed in Domo Martis, in Scorp
the moſt inſurious ſign in the Zodiack, he will notably ſo
tifie the effects portended by Mars, thereby ſignifying, &
magnas & mirandas in mundo inaudicas. He hath great
minion in the Autumne, and Mars, who is dominus tertii
ni, is then mounted in the mid-Heaven, in Libra, the ho
of Venus, who participates with Saturn in the dominati
of that Quarter, which ſeems to portend many Na
Conflicts, and Sea-fights near unto thoſe times, Pe
ſtilence, eruption and overflowings of the Sea banks, Civil
fightings, Captivities, and Impriſonments; depopula
tions, and the ſubverſion and ruine of Towns and Caſtles
which is further ſignified from the eminent Eclipſe of t
Sun in November laſt, and the direfull conjunction of Sa
and Mars, both celebrated in Scorpio, whoſe effects are n
in great ſorte. I pray God avert the evils portended th
year, and give us penitent and obedient hearts, to mour
and lament for our great impieties againſt his divine Ma
ſty, that the Lord may be pleaſed mercifully to conti
peace, plenty, and happineſſe to us, and the generations
ter us, which God for his mercy ſake grant. Amen.

A brief Deſcription of the Mundane Syſteme

That which I ſhall here ſpeak of might require a la
Diſcourſe, eſpeciall ſeeing I am to treat of the S
Motion, and admired Phænomenons of the Planets, o
rotticall Stars, wherein I had rather be ſilent, then
upon a ſubject ſo vaſt: but being lately deſired to vindic
the truth of the Syſteme of the World, according to
Doctrine of Copernicus, and to refute the frivolous A

ments of some petty Antagonists against it, that have lately, Doe aperto, belched out their own Phantasms in contradiction of that most excellent truth which they understand not, it may be richly worth my labour to remove and banish them into oblivion. And indeed what is it but the depravity of our nature that thus strays and obfuscates the appearance of all objects? However it were to be wished, that such persons (as are not acquainted with Geometricall Demonstrations) would keep in their heat, to qualifie and correct the crudities of their own conceptions, till they are able to acquaint us with somewhat we knew not before, and not delude the ignorant (like themselves) with the fond conceits of their own illusive inventions. But leaving them in their own humours, I shall proceed to make survey of the Mundane Fabrick wherein I shall lay down such Principles as are firm and inconcussed being supported upon Geometricall Demonstration, and not contradictory to holy Writ, as the most learned Divines conceive, which rightly assumed, are sufficient to salve all those wonderfull Phenomena and different Motions that are observable in, and amongst those lucid bodies, that we call the Planets, which cannot otherwise be effected, either by the feigned Hypothesis of Ptolemy or Tycho: no, not though they are sufficiently stuffed with a multitude of fictitious, fruitless, and unwarrantable Circles, every one having a various and contrary motion, altogether impertinent to represent exactly those manifold observed varieties, that daily exhibit themselves to our view, which formerly was supposed inextricable.

That the Sun is the center of the visible World is no new Opinion for 'tis well known that the Pythagoreans and Italian Philosophers held the motion of the Earth, and other Planets about the Sun: and 'tis very probable that Pythagoras himself (as some of the most learned think) had the whole Philosophick cabbala of the Creation communicated to him by some knowing Priest, or Philosopher in the Oriental parts; and this also our famous Countrey-man Dr. Henry More conceives, and very learnedly demonstrates in his Conjectura Cabbalistica. Besides the Sun being the most worthy body in the Planetary System, ought of right to obtain the most worthy place amongst them, and this place of necessity must be the center, from whence he may more freely distribute both light and heat to all the opacous and inferiory bodies encircling him. Nam si totus mundus, qui amplissimus est, ita regeretur Solis lumine & calore æqualiter, oportuit eum, sedem in medio esse, unde æqualitas ista in omnes Mundi partes dispergatur; quod fit æquabilius & rectius, quo sedendo in medio, quàm circumeundo circa illud. Kepler. Prodromus pag.

477. Its also a most gross and palpable absurdity to think that the Planetary Orbes should be intangled and involved with a multitude of Circles, and that the really motions of the Planets should be subject to those phantasms of station and Retrogradation, when it is evident and as clear as the noon-day, that (making the Sun the center of their Orbes) these seeming irregularities are not really inherent in their motions, but are only accidental, and the meer fallacy of the eye, as it is placed out of the center of their Orbes. But any at the Reasons that might be given to confirm the truth of this assertion, but I cannot instance at large for want of room, only let me ask the Anti-Copernicans, whether there be any way so accurate and certain, or more facile to represent appearances, then a simple that assigns to every Planet, uniformly ordered about the sun as center of its Orbe? for this (without any obscurity or perplexity of the Orbes, or impertinent motions exactly salves all those variety of appearances in the Heavens, which so confounds and troubles those that are of the old Ptolemaick fraym. Secondly is there any probability that Tycho's System (which is only an inversion of the Ptolemaick System with the Copernican) should perform any better office in the representation of the Phænomena? for can there be any reason given why Venus should carry about in his annual motion, the Orbes of the five primary Planets with him, three whereof being far greater then his own; whereby would follow a mixt confusion and incongruation of natural things? Valde incongrua est Cœlestium Orbium dispositio in systemate Mundi Tychonico saith Lansbergius. His Hypothesis being so vicious and absurd, why then should he condemn the old Astronomy in that very absurdity which follows from his own supposition? Neither doth he give any reason of his doings, nor indeed prove by any Art or Demonstration, that the earth is in the middle. Dicit se non multiplicare circulos: sed respondeo ipsum multiplicasse motus. Truth it is, that Ptolomy multiplies both circles and motions, Tycho only motions, without admission of circles, both whereof are absurd, and are learnedly confuted by Philolaus, lib 2. cap 2. for there is as palpable errour in the one Hypothesis, as in the other. Motus irregularis, & ἀνωμαλος apparens planetæ, idem est ac motus solis deferentis planetam: at secundo solis cœlo est unica & efficiens anomali & irregularis motus; ergò cœlo est etiam motus solis deferentis planetam: quo quid dici potest absurdius? Solem moveri & deferre planetas, quia ipsos superat? in idem igitur absurdum incidit Tycho ac Ptolemæus. One of the greatest Objections against this truth, is drawn from the position of Aristotle. Omne grave naturaliter tendit ad centrum. Every thing that is heavy naturally, tends to the center, and being cast upward fall

falls perpendicularly upon the same place of the earth, whereas in the mean while if the earth should move, more or less upon its Axes, it should fall more West, &c. To this I shall give you no other answer then what hath already been laid down by an ingenious Mathematician of our own Nation.

Every corporeall substance, as far as it is corporeall, is not tyed in every place in which it is placed alone, without the sphere of activity which hath an affinity thereto.

Gravity is a corporeall affection common to two bodies of the same nature, whereby they desire an union and connection; so that in the descent of a stone, the earth more attracts the stone, then the stone it self tends thereto. All bodies endued with gravity do not tend to the center of the earth, as the center of the world, but as the center of a round body of the same nature, and whethersoever the earth is moved, either by an inward animall power, or by an outward obedience to the Creators will, thither also will the heavy things which are placed within the sphere of this attracting power, naturally tend.

It is hereby evident that this observation of heavy things falling perpendicular, cannot any way disprove the earths motion, the circumfused air, with all things therein, following precisely the motion of the earth, by reason of their affinity to the attracting body. Nor would any thing let fall from the top of Tenariffe, or some higher hill, (if any such be) upon the earth, carry any thing it its descent from this perpendicularity, the line of its motion bearing so small a proportion to the earths semidiameter. But if any thing could be imagined to be placed so high in the air, that its distance from the earths superficies would bear a sensible proportion to the distance of the superficies from the center, it would not so plainly follow the motion of the earth, but no body being so far elevated, our experience cannot confirm this reason, which nevertheless is demonstrable in it self, and doth with some limitation preserve the position of Aristotle untouched.

But though our Antagonists may be satisfied with this, yet they will make the sacred Scriptures to be the deciders of this controversie, for we read in holy Writ of the Suns, rising and setting, of his standing still, and going back in the Dial of Ahaz; that the earth is founded on the Seas, and that her foundations are firm, and cannot be moved, &c. In these, and the like places the Scripture speaks not (as the most learned Divines conceive) according to the exact tarlosity of truth, describing things κατ' ὑπόστασιν, according to the very nature and essence of them, but κατ' ἐμφασιν, according as they appear to sense, and the vulgar opinion.

non disputat Philosophicè David de Terræ situ, sed popularitèr loquens, ad rudium captum se accommodat. It was not David's intent (saith Calvin) to speak Philosophically about the earths situation, but by using a popular phrase, he accommodates his speech unto the capacities of the rude sort. Præterea dixit Moses non subtiliter differere de naturæ arcanis, ut Philosophum: primum planetis & stellis in expansione cœlorum sedem assignat; Astrologi verò sphærarum distinctionem tradunt. Again, Fecit Deus duo Luminaria magna. Atqui Astrologi firmis rationibus probant, Saturni sidus, quod omnium minimum propter longitudinem appareat, Lunari esse maius. Hoc interest, Moses popularitèr scripsit, quæ sine doctrina & literis, omnes idiotæ communi sensu percipiunt; illi autem magno labore investigant, quicquid humani ingenii acumen assequi potest: nec vero studium illud aut improbandum est, aut damnanda scientia, a phrenetici quidam solent audaces reiicere quicquid est illis incognitum, &c. I think there are very few but know that the sacred Scriptures are not always literally to be interpreted, as in that of the first of Genesis ver 23. And God said let there be two great lights, the Sun and the Moon, &c. which is spoken only according to appearance: for it is well known the Moon hath no innate light, neither bears she any competent proportion to the other Planets, especially to the Star of Saturn, who appears one of the least of the Planets, as Mr. Calvin in the forecited passage declares. Non omnia secundum literam intelligenda & accipienda esse, quæ dicuntur in opere Bereschich, seu Creationis, sicut vulgus hominum existimat. Sensus enim illorum literales vel gignunt pravas opiniones de naturâ Dei Opt. Max. vel certè fundamenta legis evertunt, hæreseque aliquam introducunt. Hæc R. Moses Ægypt. So again in the first of the Kings 7. 23. and 2 Chr. 4. 2. we read that Solomon made a Molten Sea of Brass, ten cubits in Diameter, and thirty in Circumference, whereas we know 'tis altogether impossible that the Diameter should be 10. and the Periphery but 30 when as according to Geometrical Calculation, the proportion of the one to the other is as 100000. to 314159. and he that will not give his assent to this for a reall truth, is, I think, to be suspected of more ignorance then Religion, and of more superstition then reason. But do not herein misunderstand me for I speak not this with intention to derogate in the least from the worth and proper sense of the Sacred Scriptures, but to shew that in things of this nature, they do not chuse where have respect to that due preciseness and curiosity, which is required in him, that makes this Art his Subject. Lastly, I shall only adde thus much in behalf of this truth, that there is nothing considerable in Theology or Nature, that may not easily be extricated

erated by this Copernican Hypothesis, the truth whereof is so evident and demonstrative, that it hath gain'd the consent, assent and approbation of all the most famous Mathematicians of this latter age; witness the Works of Copernicus, Keplerus, Philolaus, Lansbergius, Bullialdus, Horrocius, Hurtet, to whom I could adde those famous Mathematicians of our Nation, Dr. Ward, Dr. Wilkins, Mr. Hen. More, Mr. Rooke, Mr. Wren, & innumeri alii Angli & Galli, many more of, I could cite were it needfull. But leaving this discourse to a fitter place, I shall now proceed to prove by Demonstration the verity of this Copernican Hypothesis, where by the way I shall premise these Principles.

1. That the Sun is placed in the middle of the world, in or about the center of the Sphere of the fixed Starres, and hath no circular motion, but centrall only.

2. That the Primary Planets, Saturn, Jupiter, Mars, the Earth, Venus and Mercury, are each of them in their upper circles moved about the Sun, and accomplish their Revolutions most exactly in a due proportion of time answerable to the amplitude and perimeter of their Orbits.

3. That the Secondary Planets, (as the Moon, the Ansa Joviales, and Lattrones of Saturn) are moved about the Primary Planets, respecting their bodies for their common Nodes, or Centers.

For the manifestation and clearing of the truth of this assertion, I shall here first of all shew you by a Geometricall Demonstration, that the Planets are each of them moved in a single line being a Circle, or rather an Ellipsis; and that the difference between the motion of the Sun and every Planet, is the cause of that inequality of motion that appears in the Planets; and not the cause only, but also the measure of it. but having here not room enough for that discourse, I must be very brief, and afterwards shall demonstrate how to find the center about which the periodicall Revolutions of Saturn, Jupiter, Mars, Sol, Venus, and Mercury are performed.

I think there are few or none ignorant of the ancient Ptolemaick Hypothesis, wherein the Earth being placed in the Center, the Suns Sphere is assign'd in the middle of the Planetary Orbes, performing his course once about the earth in 24 houres, and upon this very ground, they devised that rapid motion of the Primum Mobile, the Empyreall, Christalline, and Adamantine Heavens, and that vain and solely imaginary motion of Trepidation, whereupon was introduced so mighty and incredible

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Virgins of solid Orbes, Eccentricks, Equants, Deferents, Concentricks, Epicycles; hence it was that they cut the Heavens, (as it were) into pieces, and so put them together, that they were forced to interlace the said Orbes to be thicker in one part then in another, and to fat so that as that the Convex Superficies of the one might be contained within the concavity of another. But this admission of Circles and contrary motions is absurd, and not to be admitted, wherefore we shall demonstrate how that the motion of the Sun (as we so please to call it) is the cause of the annuall inequality of the Planets.

In the adjunct Diagram, let HSL be the Sunes Orbe, M

Orbe of the Earth, MBO the Orbe of Mars, DPR the Orbe of Jupiter, and lastly CGK the Orbe of Saturn; and suppose at any moment of time given, that the Sun, Mars, Jupiter, and Saturn be in the line AB, after which, the Sun moving 3 degrees D L in 91 daies and odde houres, Saturn in the same while in its own proper Circle goeth the Arch BG, or the angle BAG 3 degrees, in which time also Jupiter maketh the Arch KD, or angle KAD, 8 degrees, and Mars the Arch ME, or the angle MAE 48 degrees. Hence it followeth that in the Orbite of Saturn, the Arch GX (or if we take it in the Suns Orbe) the Arch ϖL, or angle ϖAL, is the anomaly of commutation, or annuall anomaly of his Orbe, 87 degrees. Again, the Arch KL is the anomaly of Jupiter 82 degr. for so much the motion of the Sun (as we were call it) exceedeth the motion of Jupiter, but the annuall Anomaly of Mars is the Arch SL, or angle SAL 42 degrees; and the angles of this supercation make the equall motion appear unequall. And is the sole cause of their Stationary and Retrograde Appearances in the Heavens;

Hence

hence it is that one and the same motion and Circle is the measure of the annuall Anomaly, and of the angles of the Inequality, as I have amply demonstrated in Astr. Instaur. lib. 3. therefore 'tis absurd, and I think not to be admitted to assigne any Epicycles to these Planets.

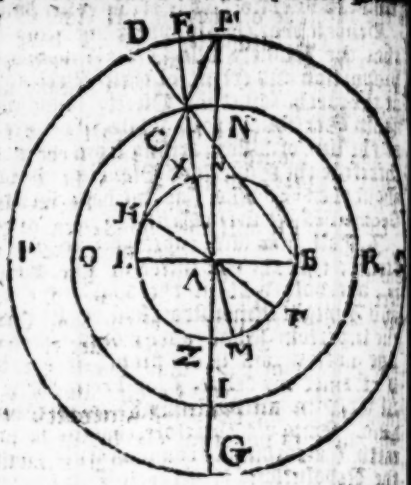
Secondly, It may be proved that the Circle wherein the Sun is moved, maketh this irregularity. For in the former Figure, admit the Sun be departed from Mars 92 degrees, at such time as Iupiter is Occidentall in ☌, the Arch PR will then be 98. deg. or the Arch RKDP 262 degrees. But the Sun afterwards moving forward towards Iupiter, diminisheth his Anomaly RAP, and increaseth the Anomaly of Mars, LAS. Seeing therefore it's only the motion of the Sun, (or more naturally of the Earth) in a single Circle, that at one and the same instant of time diminisheth the Anomaly of one Planet, by his accesse to him and also augmenteth the Anomaly of another, by his recesse, or departing from him, there is no other Circle can be admitted to be the efficient and adequate cause of this annuall Anomaly of the Planets.

Hence it's also demonstratively proved that all those Anomalies of the Epicycle are only the excesse of the Suns motion above the superiour Planets, or a part of the Circle, in which the annuall Revolution of the Sun appeareth; and in the inferiour Planets, the excesse of their motion above his; whence we see it is impossible, that from the sum, or deference of two reall motions, there should be generated a third Circle, wherein the Planets should be moved, having its dependence upon the two former. and so thereby produce, a third reall motion. Itaq; hic motus in planeta nullatenus verus existit nec per formam internam, aut assistentem intelligentiam, aut impressionem motûs violenti, nec ullatenus illo movetur; sed est tantum κατ' ἐμφασιν, & juxta visum, linearumque visibilium parallaxin.

It being then clear that the Planets are each of them moved in a single line, and not intangled with multiplicity of Circles, our next care will be to make a Geometricall inquiry, to find out the center about which the Revolutions of the Planets are made and performed.

In this Figure, let the Earth be supposed in A immoveable to our senses, from whence the motion of the Sun is seen in the Circle HLTB, moving alwaies according to the Series of the Signes, never making any Regression

Ron. And suppose also some one of the superiour Planets to be seen in the Circle NOIR, sometime going according to the succession of the signs, and sometime contrary, according to the superation of the Suns motion. Let us therefore suppose there be a conjunction of Saturn, Jupiter, or Mars celebrated with the Sun in the line AVN. Now after some time, when the Sun from A shall be seen in L, the Planet in that space (according to his proper motion) hath run the Arch NC, so that from the Earth he should be seen in the line AXCE, whereas he is seen in D, although he is moved equally according to his own proper motion, in the Circle NOIR, and so being seen in D, the line of vision must pass by CD, and at C it cutteth the line AE, reflecting toward N. from whence it necessarily followeth that the eye is translated from A into B, and this being evident, and most true that it is so, the Earth at A must be moved.



But when the Sun appeareth in M, the Planet is seen through the Diameter ECXAM, and Retrograde, wherefore the Planet being moved according to its proper motion, in a single line, it could not recede, but the line of vision must reflect by little and little from E toward F. But when the Sun appeareth in I, the Planet will appear to have gone backward the quantity of the angle HCX, therefore the line of the Planet FC, toucheth the annuall Orbe at H, whereby the sight is translated from A into H, that is, from the Center to the Circumference, the motion therefore appearing in the Circle LMBX, and is so seen at the Earth, therefore the Earth is moved.

But because there is made a transmutation of the eye, or of the Earth from the Center to the Circumference, the Sun is to be placed in the Center, who never can (from the Earth) appear Retrograde, because the Earth, being carried

ried circularly about its Center, fixeth the Sun, at all times to be collocated in the opposite point unto it.

Hence it may clearly appear unto any rationall capacity, that the Planets being orderly moved, according to the proportion and extent of their Circles, they must appear at the earth, sometime Direct, sometime Retrograde, and again Stationary for a while, in respect of the Reclination of the line of vision, arising from the motion of the Earth; therefore the Superiour Planets and the Earth are moved about the Sun, who (as we have shewed, Demonstratione Geometricâ) is in the Center.

I shall here also endeavour to prove by the same Doctrine, that the two inferiour Planets, Venus and Mercury, are volved about the Sun, and the earth about them: and I might demonstrat, first of all, that they, as well as the superiour Planets are moved, motu unico, according to one motion, and in one paper circle; but having in part of that my desire, I must refer the reader to a more convenient place, and apply my Demonstration, to the matter in hand. Suppose therefore, that in the former Scheme, the earth (according to common sense) be in A, the center of the Revolutions of all such Orbes, the inferiour Planet in the circle V L Z B, the Sun in the circle N O I R, and let them be in conjunction in the line A V N, while the earth is in A: this being imagined, Mercury and Venus must describe their whole circle about the earth. So that seeing their motion is swifter then the Suns, they should be seen opposite to him, as often as the earth interposeth between them, which is false, and never seen: For when the line of the apparent motion of the inferiour Planets shall depart from the Sun in Venus 48 degrees, and in Mercury 28 degrees, they return back, and are again (to our sight) joyned to him, which is a thing impossible, unless the Earth A (which the sense falsly perswadeth to be in the center of their Revolutional circles) should possesse that Orbite, which is attributed to the Sun, and should be moved in the same about the Sun placed in the center: for it is from that circle only, that the inferiours are seen, to make both their progression and regression, and that the Sun appeares to be carried alwayes directly to the same parts, never making any Regression.

By this cleer Demonstration we have found the true center we sought, which is the Sun, about which the motions of Saturn, Jupiter, Mars, the earth, Venus, and Mercury, are orderly performed; and have likewise proved by Demonstration, that the earth is moved in the same circle, which both the Ancients, and Tycho gave the Sun by which it may appear, that the earth hath its motion between the inferiour and inferiour Planets, for the Retrenick positions of Saturn, Jupiter, and Mars, manifestly

manifestly prove that the earth is moved within the Orbes of the Superiour Planets, but above the Orbes of the Inferiours, because (as is said) the earth is never interposed between them and the Sun.

Here we could lay down another Geometrical Demonstration of Bullialdus, to finde the center about which the Planets observe their Revolutions, and declare how the order and remotion of their several Orbes from the Sun may be exactly determined; but because I want room to insert the many Diagrams that are required for that purpose, my Reader (at present) must be content with what he is hereby made partaker of.

It being now proved that the Orbes of all the primary Planets encircle the Sun, and retain him for their common center, and that the Earths Orbite is placed between the Orbes of Mars and Venus, having a proper motion therein answerable to that which the Ancients attributed to the Sun, there is from thence constituted such an Hypothesis, as of it self will (to the very eye) most curiously demonstrate those manifold admired motions, phænomena's, and different situations, that are observable in the Planets motions: The excellency of which truth may further evidence it self in this, that there is thereby taken away that incredible daily motion of the Planets, and vast Orbe of the fixed Stars, which are (if the Ancients supputation should be true) many hundred times further then the that out of any Gun. And by the annual motion of the earth is quite cast out all those Epicycles of the old Astronomers blindly tied to the motion of the Sun, and all those Eccentricks, Deferents, Equants, and all the circles of Inclination, Deviation, & Reflexion. But this being evident of it self, I shall now proceed to give you the particular Dimentions of the Planetary Orbits, according to their order, by giving first with the three Superiour Planets, Saturn, Jupiter, and Mars, who are ever found nearer the earth in their opposition to the Sun, then in Quartile, or conjunction with him, insomuch that Mars when he is in Perigee, or in opposition to the Sun, appears above 60 times bigger, then when he is in conjunction with him, his Parallax being then found by observation to be far greater then ordinary, from whence we may conclude that his Orb doth contain our Terrestrial Orb within it, and that the earth is not the center of his Orb, but the Sun. And this is apparent by the former Figure, wherein the Sun being at A, the Earth at Z, and Mars in opposition to the Sun, at I, the distance of Mars from the Earth will be but Z I. When he is in quartile to the Sun, his distance from the earth will be equall to ZO, as Z R, but the Earth being still supposed in Z, the Planet Mars must be in N, when he is in conjunction with him: So that

A being far lesse then 24, the Planet must necessarily be far nearer the earth in opposition, then in conjunction, and also appear far greater then ordinary, being in this position, apparently Retrograde till the earth come towards B, and that because the motion of the earth is quicker from A towards B, then the motion of Mars is from A towards B, which in like manner holds true in the other Planets, though I have not here leasure to apply their particular Demonstrations to our present purpose: and therefore I shall only give you the order and Dimensions of their several Orbs, according to our late Restauration of Astronomy.

The next Planet to the Sun (who is the center of the Planetary Orbs) is the Star of Mercury, whose Orb being but 38240 parts in Semidiameter, is of all the primary Planets most quick in motion, running his course about the Sun in 88 dates; and in regard of the paruity of his Orb, and the distance of the earth from the Sun, he can never be seen of us to depart from the Sun above 28 degrees.

Next above Mercury is the bright Star of Venus, who performeth her Revolution in 225 dates. Her greatest elongation from the Sun (as the appearance is at the earth) is never above 48 degrees. And because her mean distance from the Sun is 72405. and her apparent Semidiameter 26 sec. it follows, that she is about 157 times lesser then the earth.

These two Planets, Venus and Mercury, when they are in that part of their Orbs towards the earth, appear Retrograde to us, and afterwards direct, till they come to the contact of their Orbs, from which point they begin again to regrede, and so continue till they come to the point of their second Station, as the former Figure shews by inspection only.

Above Venus is placed the Earth, who maketh but one Revolution in 365 dates, 5 ho. 49 min. So that in a day the Earth is not moved a whole degree, and being placed between the Orbs of Mars and Venus, both by its motion salve all appearances, pointing out exactly the very time when the Planets shall be both Direct, Retrograde, and Stationary, and when they will be near the Earth, or far removed, to which their places and magnitudes do precisely agree in the Heavens. And this may serve to convince our Antagonists of the excellency and verity of our Hypothesis, were there no greater Arguments to prove it, but so forcible are our Demonstrations, that they are able to silence our greatest opponents.

The next in order is the Orb of Mars, who accomplisheth one Revolution about the Sun in 687 dates. The Radius of his Orb is 152040. and the apparent Semid. of his body in that distance, 18 sec. whereby (according to cubicall proportion) he is lesse then the earth 150 times.

The next is the Star of Jupiter, who runs his circuit about

about the Sun in 4332 dayes. The Radius of his Orb is 51 00
and the apparent Semidiameter of his body 5 15 sec. m
Therefore it follows, that he is one time lesser then the Ear
Lastly, The Star of Saturn is the highest of all the Planets
and runs his course but in 10759 dayes about the Su
His mean distance is 9525 00 and his apparent Semid. 1
sec. so that he is almost twice greater then the whole Earth
These 3 Planets, Saturn, Jupiter, and Mars, are alway
the Earth, apparently Retrograde, when they are in oppo
tion to the Sun which must necessarily follow, because thei
Orbs are of greater extent then the earths, and are plac
without her Orb, as the Copernican Systeme exactly d
monstrates, as you may perceive by inspection only. Th
Systeme I cannot here insert, but 'tis generally grante
by all the most knowing Mathematicians in Europe: for a
it is most agreeable to Reason, so is transcendable in all re
spects to the exactest observations and appearances, which
cannot precisely be effected by the Hypothesis of Ptolemy
Tycho, or Argoll, without infinite labour and multiplicatio
of circles and motions, which the Authors thereof most
absurdly introduce.

To conclude; I shall only adde this in commendation of
this noble Science, that there is nothing either better in it
self, or more excellent for us to contemplate upon, then the
Science of Astronomy, which of all others is most pleasa
and usefull. For first it proves an infinite God, and stirs u
up to a greater admiration and fear of his Omnipotence
Levate in excelsum oculos vestros, & videte quis creavit hæc
Lift up your eyes on high, and behold who hath created thes
things, that bringeth out their Host by number, and calleth them
all by their Names. Seeing then this Science is of such sub
lime worth, why should we so highly prize these transient
and fading glories upon the earth, when there is nothing
therein scarce worth our notice or regard. Respicite Cœli spa
tium, similitudinem, celeritatem, & aliquando desinite vilia mira

Quicunque solum mente præ cæ pi petit
Summamq; credit gloriam,
Late patentes ætheris cernat plagas,
Astrumq; terrarum situm.
Brevem replere non valentis ambitum
Pudebit auctinominis

Thus englished by a learned hand.
He that to honour only seeks to mount,
And that his highest end doth count;
Let him behold the far reaches of the Skies,
And on the straight Earth cast his eyes;
He will despise the glory of his Name,
Which cannot fill so small a frame.

From my house in *Northhamptonshire* *Vincent Wing*
May 9. 1659. FINIS